

# CATALOGUE 2022

# **LEADERS IN TOOLROOM & METAL-WORKING** MACHINERY



# SOLUTION WITH DIFFERENCE



An ISO 9001: 2015 Certified Company

International Branches:











### LATE SHRI. KIRTIKUMAR SHAH

### (Founder - Bhavya Machine Tools)

Rubbing shoulders with the best in the country is Bhavya Machine Tools. An established and trusted name in the field of Engineering Workshop Machinery is Bhavya Machine Tools, serving industries worldwide with its sturdy, technologically advanced and high performance machinery. Its constant endeavour is to bring emerging technology to India, and its ultimate strategy is to be innovative.

The relentless determination of two brothers Jatin Shah and Rohit Shah has led the company to grow from a small scale business on relief road, to a plush office on S.G. Highway. With a team that is always ready to face new challenges and customer's requirements being of paramount importance. Bhavya's product line and network is ever expanding.

The success of the business is based on the highest quality standards, decades of experience and excellent solutions with the best service. It has a solution with difference.

"The journey of Bhavya Machine Tools started 50 years ago when our father Mr. Kirtibhai Shah pioneered the business on a small scale on Relief Road. Later in 1991, when we joined the business, we had absolutely no technical educational background" says Jatin. Despite the lack of technical knowledge, the two brothers, with their relentless determination, have strived to make Bhavya Machine Tools a leader in the market of products that provide technical solutions.

When questioned about the business strategy of Bhavya Machine Tools, Jatin said, "Our constant endeavor is on how emerging technology can be brought to India. Being innovative is Bhavya's ultimate strategy. To enable us to achieve this, we have not failed to participate in most of the significant exhibitions across India as well as in the Gulf countries. We believe, participating in exhibitions will update us on the latest technology and tools across the globe which Bhavya can bring to the Indian market and cater to the unfulfilled gaps. Also, we can make the world aware about the technology and machines that small scale units in India have, but aren't able to sell to the international market themselves." Even with an immensely vast basket of products and a vast network of industrial clients, the thirst for success hasn't decreased by an inch in the two brothers.

"Customers' requirement is paramount to us. When we get an inquiry and we do not have the required tool in our product portfolio, we immediately set up a team to study if that specific type of tool can be procured. As a result, Bhavya's product portfolio is ever-expanding. This approach is what has earned Bhavya its name. Our team is always ready for new challenges. With the support of such an amazingly hard working & dedicated team, Bhavya is what it is today" says Rohit proudly.

Moreover, this is a company that creates families. The company is a platform to grow for anyone and everyone.

The doors of Bhavya Machine Tools are always open for anyone who wants to enter. Anyone from any field or in need is provided the backup and support they require. The company believes that it needs to know the employees not only at the professional level but a personal level as well. The first priority is to solve the personal issues of the employees.

As Bhavya's wings spread to the international markets, the third generation of the Shah family, with their creative ideas and new technology, is set to join the family business.

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# LARGEST DISPLAY OF MACHINERY IN INDIA









for more Information, scroll on www.bhavyamachinetools.com

# AWARDS AND ACHIEVEMENTS



### TV9 CSR Excellence Award

Bhavya Machine Tool's directors Mr. Jatin Shah and Mr. Rohit Shah were honoured with "TV9 CSR Excellence - For A Better Society" Award from the Respected Chief Minister of Gujarat, Shree Vijaybhai Rupani.



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### Divya Bhaskar Artist of Enterprise

Bhavya Machine Tool's directors Mr. Jatin Shah and Mr. Rohit Shah were honoured with their presence in the Coffee -Table book on Gujarat, The Growth Engine, being published by the Divya Bhaskar that celebrates the spirit of inspiring entrepreneurs of Gujarat

for more Information, scroll on

🕀 www.bhavyamachinetools.com



### Mantavya News Awards

Mantavya - Bhavya Machine Tool's directors Mr. Jatin Shah and Mr. Rohit Shah were honoured with "The Leaders" Award in the Machine Tools Category from the Respected Minister of Energy of Gujarat, Mr. Saurabhbhai Patel.



# Ace Achievers - Making a Difference

Bhavya Machine Tool's directors Mr. Jatin Shah and Mr. Rohit Shah were honoured with the "Ace Achievers - Making a Difference" Award from the Respected Chief Minister of Gujarat, Shree Vijaybhai Rupani.









Light Duty, Medium Duty, Heavy Duty, Extra Heavy Duty & All-Geared

### pg



DRILLLING MACHINES

Pillar, Radial, Tapping, Drilling Cum MIlling All-Geared Radial Drill, & CNC

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TOOL ROOM MACHINES

Metal Cutting Hacksaw & Bandsaw, Surface, Cylindrical & Centerless Grinder, Tool & Cutter Grinder, Milling, Shaping, Slotting



Capstan / Turret Lathe, Bolt Threading &







Drill Bit, Tap Set, End Mill, Lathe Tool, Chamfer, Circular Saw Cutter & Universal Grinder



Chucks, Vice, Tool Post Grinder, Bench Grinder Polisher



Power Press, Shearing, Press Brake, Bending Roller, Section Bending, Bus Bar, Iron Worker & Hydraulic Press

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### AUTOMOBILE MACHINES

Crank Shaft Grinding, Vertical Cylinder Fine Boring, Vertical Cylinder Honing, Connecting Rod Boring, Valve Set Cutting



### FIBER LASER MACHINES

Laser Marking & Laser Cutting



### WOOD WORKING MACHINE

Combi Planner, Surface Planner, Circular Saw, Jigsaw, & Air Compressor, Spot, Arc & Mig Welding

Ζ 

# BHAYY

# **Light Duty Lathe V-Belt Drive**

Stand	ard M	odel
TM		T

Max Cut



on Gear Box

MAX-CUT

Stand. Accessories : Chuck Plate . Gear Set . Centre Adaptor Dead Centers • Dial Indicator • Square Tool Post • Tool Post Key Optional Accessories : Steady Rest • Follow Rest • Norton Gear Box Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tool Post Tapper Turning Attachment 

Coolant Pump with Tank & Fittings 

Face Plate Machine Lamp • Rear Tool Post • Key way Milling Attachment • Tool Post Grinder

### High Tensile Head Stock Latest Design Bed & Spindle are Ground

	Model	LD 165	LD 175
	Height Of Center (mm)	165	175
	Width of bed (mm)	238	238
	Max. Swing over bed (mm)	330	350
	Max. Swing over Slide (mm)	180	200
	Spindle Bore (mm)	40	40
	Spindle Nose	8 TPI	8 TPI
	Spindle Speed 8 (R.P.M.)	30 – 825	30 - 825
een Centers	Cross Slide Travel (mm)	225	225
A.B.C.	Lead screw TPI	4 TPI	4 TPI
650 mm 875 mm	Tail Stock Sleeve	MT-3	MT-3
1050 mm	Power Required (H.P.)	1	1 <sub>TM</sub>
	IP	1 - 1	11 \

### **Light Duty Lathe Super Model V-Belt Drive**

### High Tensile

Head Stock Latest Design

### Bed & Spindle are Hardened & Ground

	Model	LD 165	LD 175
	Height Of Center (mm)	165	175
	Width of bed (mm)	238	238
	Max. Swing over bed (mm)	330	350
	Max. Swing over Slide (mm)	180	200
	Spindle Bore (mm)	40	40
	Spindle Nose	8 TPI	8 TPI
	Spindle Speed 8 (R.P.M.)	30 - 825	30 – 825
rs	Cross Slide Travel (mm)	225	225
	Lead screw TPI	4 TPI	4 TPI
	Tail Stock Sleeve	MT-3	MT-3
	Power Required (H.P.)	12)5	1/1/200

Stand. Accessories : Chuck Plate 

Gear Set

Centre Adaptor Dead Centers • Dial Indicator • Square Tool Post • Tool Post Key Optional Accessories : Steady Rest • Follow Rest • Norton Gear Box Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tool Post Tapper Turning Attachment • Coolant Pump with Tank & Fittings • Face Plate Machine Lamp • Rear Tool Post • Key way Milling Attachment • Tool Post Grinder

Admit Between Centers				
Length	A.B.C.			
4.6'	650 mm			
5.3'	875 mm			
6'.0"	1050 mm			

Admit Between Cent

4.6

5.3'

6'.0'

Max Cut

# Medium Duty Lathe

Standard Model

Max Cut

### Optional





nob Type Oil Bath Norton Gear Box Plunger Type Norton Gear

 Stand. Accessories : Chuck Plate • Gear Set • Center Adaptor

 Dead Centers • Dial Indicator • Square Tool Post • Tool Post Key

 Optional Accessories : Steady Rest • Follow Rest • Face Plate

 Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tool Post

 Tapper Turning Attachment • Coolant Pump with Tank & Fittings • Norton Gear

 Machine Lamp • Rear Tool Post • Key way Milling Attachment • Tool Post Grinder

# Medium Duty Lathe



Dial Indicator • Square Tool Post • Tool Post Key

**Optional Accessories** : Steady Rest • Follow Rest • Face Plate Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tool Post Tapper Turning Attachment • Coolant Pump with Tank & Fittings Machine Lamp • Rear Tool Post • Key way Milling Attachment • Tool Post Grinder

 Admit Between Centers

 Length
 A.B.C.

 4.6'
 500 mm

 5.3'
 725 mm

 6'.0"
 950 mm

A.B.C.

500 mm

725 mm

950 mm

Len

4.6

5.3'

6'.0"

### **Double V-Belt Drive**

High Tensile Casting Head Stock Latest Design Bed & Spindle are Hardened & Ground

ß	Model	MD 212	MD 212H
	Height Of Center (mm)	212	250
	Width of bed (mm)	280	280
	Max. Swing over bed (mm)	410	490
	Max. Swing over Slide (mm)	240	320
	Spindle Bore (mm)	52	80
	Spindle Nose	6 TPI	6 TPI
	Spindle Speed 6 (R.P.M.)	40 to 550	40 to 550
	Cross Slide Travel (mm)	240	240
	Lead screw TPI	4 TPI	4 TPI
	Tail Stock Sleeve	MT-4	MT-4
	Power Required (H.P.)	2	2

### Double V-Belt Drive

High Tensile Casting Head Stock Latest Design

Bed & Spindle are Hardened & Ground

Model	MD 212	MD 212H
Height Of Center (mm)	212	250
Width of bed (mm)	280	280
Max. Swing over bed (mm)	410	490
Max. Swing over Slide (mm)	240	320
Spindle Bore (mm)	52	80
Spindle Nose	6 TPI	6 TPI
Spindle Speed 6 (R.P.M.)	40 to 550	40 to 550
Cross Slide Travel (mm)	240	240
Lead screw TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4
Power Required (H.P.)	2	2



All Precision Machines Under One Roof

# Heavy Duty Lathe V-Belt Drive

BED

Max Cut

# High Tensile

Head Stock Latest Design

Max Cut

Max Cut

Bed & Spindle are Hardened & Ground

### **Standard Accessories :**

- Chuck Plate
   Gear Set
- Centre Adaptor 
   Dead Centers
- Dial Indicator
   Square Tool Post
- Tool Post Key

### **Optional Accessories :**

Steady Rest • Follow Rest • Face Plate Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tool Post Tapper Turning Attachment • Coolant Pump with Tank & Fittings Machine Lamp • Rear Tool Post • Key way Milling Attachment • Tool Post Grinder

### Optional



Knob Type Oil Bath Norton Gear Box Plunger Type Norton Gear Box

Model	MAX	MAX-1	MAX-2	MAX-3	MAX-4
Height Of Centre (mm)	250	300	300	375	450
Width Of Bed (mm)	325	325	375	375	450
Max. Swing (mm)					
OverBed	500	600	600	750	900
Over Slide	300	400	400	550	700
In Gap	775	900	900	1050	1200
Spindle					
Bore (mm)	52	80	80	80	100
Nose	6TPI	6 TPI	6 TPI	6TPI	6 TPI
Speed - 8 (R.P.M.)	30 to 475				
Travel (mm)					
Cross Slide	270	335	335	380	460
Top Slide	150	150	150	150	175
Other					
Lead Screw TPI	4TPI	4TPI	4TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4	MT-4	MT-4	MT-5
Power Required (H.P.)	3	3	3	5	5

Size	MAX	MAX-1	MAX-2	MAX-3	MAX-4
5.5'	560	560	560	560	K.J
7'	1000	1000	1000	1000	800
9'	1600	1600	1600	1600	1400
10'	1900	1900	1900	1900	1700
12'	2500	2500	2500	2500	2300
14'	3100	3100	3100	3100	2900
16'	3700	3700	3700	3700	3500
18'	4300	4300	4300	4300	4100
20'	<u> </u>	-	4900	4900	4700
22'	-	-	5500	5500	5300
24'	-	-	6100	6100	5900

for more Information, scroll on



# Heavy Duty Lathe V-Belt Drive



# High Tensile

Head Stock Latest Design

### Bed & Spindle are Hardened & Ground

### **Standard Accessories :**

Chuck Plate 
 Gear Set 
 Centre Adaptor
 Dead Centers 
 Dial Indicator 
 Square Tool
 Post 
 Tool Post Key

### **Optional Accessories :**

Steady Rest • Follow Rest • Face Plate Electrical Fittings • True Chuck & Dog Chuck •Quick Change Tool Post Tapper Turning Attachment • Coolant Pump with Tank & Fittings Machine Lamp • Rear Tool Post • Key way Milling Attachment • Tool Post Grinder

Model	YBX	YBX-1	YBX-2	YBX-3
Height Of Centre (mm)	240	300	300	375
Width Of Bed (mm)	325	325	375	375
Max. Swing (mm)				
Over Bed	480	600	600	750
Over Slide	280	400	400	550
In Gap	780	900	900	1050
Spindle				
Bore (mm)	52	80	80	80
Nose	6TPI	6 TPI	6TPI	6TPI
Speed - 8 (R.P.M.)	30 to 600	30 to 600	30 to 600	30 to 600
Travel (mm)				
Cross Slide	270	335	335	380
Top Slide	150	150	150	150
Other				
Lead Screw TPI	4 TPI	4 TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4	MT-4	MT-4
Power Required (H.P.)	3	3 TM	3	5

ROTO - TUR

۸dm	it Botw	on Cont	ers (in m	m
Size	YBX	YBX-1	YBX-2	YBX-3
5.5'	560	560	560	560
7'	1000	1000	1000	1000
9'	1600	1600	1600	1600
10'	1900	1900	1900	1900
12'	2500	2500	2500	2500
14'	3100	3100	3100	3100
16'	3700	3700	3700	3700
18'	4300	4300	4300	4300
20'	51	Ľ	4900	4900
22'	-	-	5500	5500
24'	-	-	6100	6100

<u><u>B</u>ED</u>

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# Extra Heavy Duty Lathe V-Belt Drive

# High Tensile

Head Stock Latest Design

### Bed & Spindle are Hardened & Ground

### **Standard Accessories :**

- Chuck Plate 
   Gear Set 
   Centre Adaptor
- Dead Centers 
   Dial Indicator 
   Square Tool Post
- Tool Post Key

### **Optional Accessories :**

Steady Rest • Follow Rest • Face Plate Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tool Post Tapper Turning Attachment • Coolant Pump with Tank & Fittings Machine Lamp

- Rear Tool Post Key way Milling Attachment
- Tool Post Grinder

### Optional





Knob Type Oil Bath Norton Gear Box Plunger Type Norton Gear Box

CD-4	CD-5	CD-6	CD-7
500	550	600	750
500	550	600	750
1000	1100	1200	1500
700	800	900	1200
1280	1360	1450	1750
100	100	125	125
6TPI	6 TPI	6TPI	6 TPI
30 to 250	30 to 250	30 to 250	10 to 150
500	500	500	500
250	250	250	250
2TPI	2TPI	2TPI	2TPI
MT-5	MT-5	MT-5	MT-5
7.5	7.5	10	10
	500 500 1000 700 1280 100 6 TPI 30 to 250 500 250 2 TPI MT-5	500         550           500         550           1000         1100           700         800           1280         1360           100         00           6TP1         6TP1           30to250         30to250           500         500           250         250           2TP1         2TP1           MT-55         MT-55	500         550         600           500         550         600           1000         1100         1200           700         800         900           1280         1360         1450           100         100         125           6TPI         6TPI         6TPI           30to 250         30to 250         30to 250           500         500         250           250         250         250           2TPI         2TPI         2TPI           MT-5         MT-5         MT-5

	Adm	it Betw	een Ce	enters	(In mm)	
1	Size	CD-4	CD-5	CD-6	CD-7	ŀ
	9'	1400	1400	1350	1250	
	10'	1700	1700	1650	1550	
	12'	2300	2300	2250	2250	
	14'	2900	2900	2850	2750	
	16'	3500	3500	3450	3350	
	18'	4100	4100	4050	3950	
	20'	4700	4700	4650	4550	
	22'	5300	5300	5250	5150	
	24'	5900	5900	5950	5950	
	30'	6500	6500	6500	6500	



# **All Geared Lathe Machine**



DESCRIPTION/MODEL	BGM-1	BGM-1H	BGM-2	BGM-2H	BGM-3	BGM-3H
Height for centers	215mm	250mm	215mm	250mm	215mm	250mm
Swing over Bed	425mm	490mm	425mm	490mm	425mm	490mm
Swing over Cross Slide	250mm	320mm	250mm	320mm	250mm	320mm
Swing in Gap	600mm	660mm	600mm	660mm	600mm	660mm
Admit Between Centre	550mm	550mm	750mm	750mm	1000mm	1000mm
Bed Width	280mm	280mm	280mm	280mm	280mm	280mm
MAIN SPINDLE						
Type Spindle Nose	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4
Spindle Bore	50mm	50mm	50mm	50mm	50mm	50mm
No. of Speeds	8	8	8	8	8	8
Range RPM	54-1200rpm	54-1200rpm	54-1200rpm	54-1200rpm	54-1200rpm	54-1200rpm
FEEDS/THREADS						
No. of feed	32	32	32	32	32	32
Longitudinal Feeds	0.4-1.0mm/rev.	0.4-1.0mm/rev.	0.4-1.0mm/rev.	0.4-1.0mm/rev.	0.4-1.0mm/rev.	0.4-1.0mm/rev.
Transverse Feeds	0.01-0.20mm/rev.	0.01-0.20mm/rev.	0.01-0.20mm/rev.	0.01-0.20mm/rev.	0.01-0.20mm/rev.	0.01-0.20mm/rev.
Inch	40/2-60TPI	40/2-60TPI	40/2-60TPI	40/2-60TPI	40/2-60TPI	40/2-60TPI
Metric	17/0.5-15mm	17/0.5-15mm	17/0.5-15mm	17/0.5-15mm	17/0.5-15mm	17/0.5-15mm
Lead Screw Diameter	31.75mm x 4TPI					
TAIL STOCK						
Spindle Diameter	50.8mm	50.8mm	50.8mm	50.8mm	50.8mm	50.8mm
Taper in Spindle Sleeve	MT-4	MT-4	MT-4	MT-4	MT-4	MT-4
Tail Stock Spindle Travel	145mm	145mm	145mm	145mm	145mm	145mm
ELECTRICALS						
Main	2HP	2HP	2HP	2HP	2HP	2HP
Machine Weight	750Kgs.	800Kgs.	850Kgs.	900Kgs.	1000Kgs.	1050Kgs.

STANDARD ACCESSORIES : Flame Hardened Bed, Norton Gear Box with Single Screw Shaft, Electric Motor, R/F Switch, Motor Pulley, Chuck Plate, Centre Adaptor, Dead Centre 2 Nos., Tool Post Spanner

**OPTIONAL ACCESSORIES**: Electric Control Panel in lieu of R/F Switch, True Chuck, Dog Chuck, Steady Rest, Follow Rest, Face Plate, Carrier Plate, Extra Chuck Plate, Taper Turning Attachment, Coolant Pump with Tank & Fittings, Key Way Cutting Attachment, Machine Lamp, Tool Post Grinder, Revolving Centre, Rear Splash Guard, 2-Axis DRO (Digital Read Out), Drill Chuck, Pipe Centre

# **All Geared Lathe Machine**



DESCRIPTION/MODEL	BGH	BGH-1	BGH-2	BGH-3
Height for centers	267mm	305mm	305mm	400mm
Swing over Bed	525mm	600mm	600mm	770mm
Swing over Cross Slide	300mm	375mm	375mm	500mm
Swing in Gap	825mm	910mm	910mm	1170mm
Bed Width	325mm	325mm	375mm	457mm
MAIN SPINDLE				
Type Spindle Nose	Threaded/A2-6	Threaded/A2-6	Threaded/A2-6	Threaded/A2-8
Spindle Bore	52mm	52mm	80mm	100mm
No. of Speeds	12	12	12	9
Range RPM	30-1060rpm	30-1060rpm	30-1060rpm	18-310rpm
FEEDS/THREADS			ANTA	·
No. of feed	40	40	40	40
Longitudinal Feeds	0.066-2.0mm/rev.	0.066-2.0mm/rev.	0.066-2.0mm/rev.	0.066-2.0mm/rev.
Transverse Feeds	0.165-0.5mm/rev.	0.165-0.5mm/rev.	0.165-0.5mm/rev.	0.165-0.5mm/rev.
Inch	40/2-60TPI	40/2-60TPI	40/2-60TPI	44/2-60TPI
Metric	17/0.5-15mm	17/0.5-15mm	17/0.5-15mm	24/0.5-15mm
Lead Screw Diameter	38mm x 4TPI	38mm x 4TPI	38mm x 4TPI	45mm x 4TPI
TAIL STOCK				
Spindle Diameter	60.3mm	60.3mm	60.3mm	75mm
Taper in Spindle Sleeve	MT-4	MT-4	MT-4	MT-5
Tail Stock Spindle Travel	180mm	180mm	180mm	250mm
ELECTRICALS				
Main	3HP	3HP	3HP	5HP

### ADMIT BETWEEN CENTRES:

~	Bed Length	BGH	BGH-1	BGH-2	BGH-3
$\wedge$	7'-Feet	1000mm	1000mm	1000mm	700mm
	9'-Feet	1600mm	1600mm	1600mm	1300mm
	10'-Feet	1900mm	1900mm	1900mm	1600mm
	12'-Feet	2500mm	2500mm	2500mm	2200mm
	14'-Feet	3100mm	3100mm	3100mm	2800mm
	16'-Feet	3700mm	3700mm	3700mm	3400mm
	18'-Feet	4300mm	4300mm	4300mm	4000mm
	20'-Feet	-	-	4900mm	4600mm
	22'-Feet	- 6	TA	5500mm	5200mm
	24'-Feet	-	-	6100mm	5800mm

STANDARD ACCESSORIES : Flame Hardened Bed, Norton Gear Box with Single Screw Shaft, Electric Motor, R/F Switch, Motor Pulley, Chuck Plate, Centre Adaptor, Dead Centre 2 Nos., Tool Post Spanner

**OPTIONAL ACCESSORIES :** Electric Control Panel in lieu of R/F Switch, True Chuck, Dog Chuck, Steady Rest, Follow Rest, Face Plate, Carrier Plate, Extra Chuck Plate, Taper Turning Attachment, Coolant Pump with Tank & Fittings, Key Way Cutting Attachment, Machine Lamp, Tool Post Grinder, Revolving Centre, Rear Splash Guard, 2-Axis DRO (Digital Read Out), Drill Chuck, Pipe Centre

for more Information, scroll on

# All Geared Medium Duty Lathe

# 

# High Tensile

Head Stock Latest Design

### Bed & Spindle are Hardened & Ground

Model No	EC34/555	EC34/1000	EC41/1000	EC41/1500
Height of Centres	177mm	177mm	215mm	215mm
Swing over Bed	335mm	335mm	410mm	410mm
Swing over Slide	200mm	200mm	250mm	250mm
Between Centres	555mm	1000mm	1000mm	1500mm
Slide Movement	210mm	210mm	250mm	250mm
BED				
Bed Type	2 Flat & 2V			
Bed Width	230mm	230mm	265mm	265mm
MAIN SPINDLE				
Type & Size of Spindle Nose	A 2 Size 4			
Taper Bore in Center Sleeve	MT4	MT4	MT4	Mt4
Spindle Bore	42mm	42mm	42mm	42mm
TAIL STOCK				
Spindle Diameter	45mm	45mm	45mm	45mm
Taper Bore in Spindle Sleeve	MT4	MT4	MT4	Mt4
SPEEDS				
No. of Speeds	16	16	16	16
Range / RPM	45-938/30-1250RPM	45-938/30-1250RPM	45-938/30-1250RPM	45-938/30-1250RPM
ELECTRICALS				
Main Motor	2 KW	2 KW	3 KW	3 KW
Power Supply	3 Phase	3 Phase	3 Phase	3 Phase
OTHER DATA				
Gross Weight	800 Kg	900 Kg	1200 Kg	1300 Kg

**BHAXYA** 

EDGECUT

**SERIES** 

• Lathe Bed Is Of Grade-20 Casting, Duly Flame Hardened & Ground With Brinell

- Hardness Over 300 Bhn Headstock Spindle A2/4 Mounting Is Hardened And Ground And Runs In Anti Friction Taper Roller Bearings
- Drop Worm Arrangement For Instantaneous Engagement And Disengagement Of Power Feed
- Shear Pin Coupling As An Overload Safety Device For Lead Screw
- Safety Clutch For Feed Overload
- Universal Gear Box Provides For Wide Range Of Inch / Mm Threads & Feeds
- Accuracy Is Tested As Per Is : 1878 (Part 1) 1971

### Standard Accessories :

- Electric Motor V Belts 2 MT Centers Center Bush · Oil Can
   Screw Driver Set of Fixed Spanner Set of Allen Keys
- Tool Post Spanner 
   Carrier Plate 
   Instruction & Spare Parts Manual

### for more Information, scroll on

www.bhavyamachinetools.com

### **Optional Accessories :**

- Face plate Steady rest Follow rest Rapid traverse of main saddle
   Chuck flange Independent dog chuck Elec. Coolant pump with tank
   & fittings Taper turning attachment Machine Lamp with control transformer
- & fittings Taper turning attachment Machine Lamp with control transform



EDGECUT

**SERIES** 



### High Tensile Casting Head Stock Latest Design

### Bed & Spindle are Hardened & Ground

Bedlen	Bedlength / Admit Between Centers (in mm)				
EC53 /	EC60	ECG	3	EC	77
Bed length	ABC	Bed length	ABC	Bed length	ABC
1675	555	2130	900	2750	1250
2130	1015	2730	1500	3500	2000
2730	1610	3030	1800	4500	3000
3030	1910	3630	2400	5500	4000
3630	2500	4230	3000	6500	5000
4230	3100	4830	3600		
		5430	4200		

Model No	EC53	EC60	EC63	EC77
Height of centre	270mm	300mm	330mm	400mm
Width of bed	325mm	325mm	375mm	455mm
Swing over bed	525mm	585mm	630mm	770mm
Swing over cross slide	325mm	375mm	440mm	490mm
Swing in gap	825mm	885mm	920mm	1100mm
No. of spindle speed	8	8	8	8
Spindle speed range	36 - 1235 RPM	36 - 1235 RPM	20 - 835 RPM	20 – 520 RPM
Spindle bore	52mm	52mm	80mm	105mm
Spindle nose	A2 Size 5	A2 Size 5	A2 Size 8	Bayonet – 8
Taper bore in centre bush	MT4	MT4	MT4	Mt5
Tail stock spindle diameter	63.5mm	63.5mm	75mm	85mm
Cross Slide travel	310mm	310mm	330mm	400mm
Compound slide travel	140mm	140mm	180mm	200mm
Tail stock quill travel	180mm	180mm	200mm	210mm
				VIII A

• Lathe Bed Is Of Close Grained Alloy Castings Duly Flame Hardened And Ground With Brinell Hardness Of Over 300 Bhn

BHAYYA

- · Head Stock Gears of Special Alloy Steel Duly Hardened and Profile Ground
- · Head Stock Spindle is of Hardened And Ground And Runs in Anti Friction Taper Roller Bearings
- Quick Change Norton Type Gear Box Provides Wide Range of Inch / MM Threads & Feeds
- · Switch Shaft For Forward / Reverse Rotation of Spindle
- We are Providing one Taper Roller and one Needle roller in Front for Better Rigidity

### Standard Accessories :

- Electric Motor V Belts 2 MT Centers Center Bush · Oil Can
- Screw Driver Set of Fixed Spanner Set of Allen Keys

Tool Post Spanner 
 Carrier Plate 
 Instruction & Spare Parts Manual

### **Optional Accessories :**

- Face plate Steady rest Follow rest Rapid traverse of main saddle
- Chuck flange Independent dog chuck Elec. Coolant pump with tank
- & fittings Taper turning attachment Machine Lamp with control transformer

for more Information, scroll on

**L** 





### Head Stock Latest Design

Bed & Spindle are Hardened & Ground

Bedle	ngth / A	dmit Be	tween C	Centers (	(in mm)
EC	:84	EC	110	EC	130
Bed lengt	h ABC	Bed lengt	th ABC	Bed lengt	h ABC
3750	2000	3950	2000	4270	2000
4750	3000	4950	3000	5270	3000
5750	4000	5950	4000	6270	4000
6750	5000	6950	5000	7270	5000
7750	6000	7950	6000	8270	6000

**Standard Accessories :** 

Cross Slide Travel	430 mm
Compound Slide Travel	230 mm
Tail Stock Sleeve Travel	220 mm

Model No

Type of Bed

Width of Bed

Height of Center

Swing Over Bed

Swing In Gap

Swing Over Saddle

Swing Over Cross Slide

No. Of Spindle Speed

Spindle Speed Range

Taper in Spindle Sleeve

Spindle Hollow

No. Of Feeds

Lead Screw

Tool Shank Size

**Tool Post Square** 

Spindle Nose Detail

No. Of British Threads

No. Of Metric Threads

Range Of British Threads

Range Of Metric Threads

Range Of Longitudinal Feeds

Range Of Transverse Feeds

Tail Stock Spindle Diameter

Taper In Tail Stock Spindle

Length of Gap in Front of face Plate

**EC84** 

Gap Bed

560mm

430mm

840mm

600mm

510mm

1250mm

365mm

MT - 5

28

22

28

104 mm

20 to 275 RPM

Bayonet Size 11

1.5 to 22 TPI

0.75 to 16 mm

0.033 to 0.50

95 mm

MT - 5

38 x 38 mm

200 x 200

50.8 mm X 2 TPI

8

EC100

Gap Bed

560mm

500mm

980mm

740mm

650mm

1390mm

365mm

MT - 5

28

22

28

104 mm

20 to 275 RPM

Bayonet Size 11

1.5 to 22 TPI

0.75 to 16 mm

0.033 to 0.50

95 mm

MT - 5

430 mm

230 mm

220 mm

200 x 200

38 x 38 mm

50.8 mm X 2 TP

0.2 to 3.0 mm / rev 0.2 to 3.0 mm / rev 0.2 to 3.0 mm / rev

8

EC110

Gap Bed

655mm

560mm

1100mm

860mm

770mm

1510mm

365mm

MT - 5

28

22

28

104 mm

20 to 275 RPM

Bayonet Size 11

1.5 to 22 TPI

0.75 to 16 mm

0.033 to 0.50

105 mm

MT - 6

560 mm

230 mm

310 mm

200 x 200

38 x 38 mm

50.8 mm X 2 TPI

8

### **Optional Accessories :**

Face plate • Steady rest • Follow rest • Rapid traverse of main saddle
 Chuck flange • Independent dog chuck • Elec. Coolant pump with tank

& fittings • Taper turning attachment • Machine Lamp with control transformer

BHAVY

**SERIES** 

EDGECUT

BHAYYA

EC120

Gap Bed

655mm

600mm

940mm

850mm

1590mm

365mm

MT - 5

28

22

28

104 mm

20 to 275 RPM

Bayonet Size 11

1.5 to 22 TPI

0.75 to 16 mm

0.033 to 0.50

105 mm

MT - 6

560 mm

230 mm

310 mm

200 x 200

38 x 38 mm

50.8 mm X 2 TPI

8

1180mm

EC130 Gap Bed

760mm

660mm

1300mm

1060mm

980mm

1710mm

365mm

MT - 5

28

22

28

0.2 to 3.0 mm / rev 0.2 to 3.0 mm / rev

104 mm

16 to 195 RPM

Bayonet Size 15

1.5 to 22 TPI

0.75 to 16 mm

0.033 to 0.50

115 mm

660 mm

300 mm

410 mm

200 x 200

38 x 38 mm

MT - 6

50.8 mm X 2 TP

8

Tool Post Spanner • Carrier Plate • Instruction & Spare Parts Manual
 & fittings • Taper turning attachm

for more Information, scroll on

• Electric Motor • V Belts • 2 MT Centers • Center Bush · Oil Can

Screw Driver 
 Set of Fixed Spanner 
 Set of Allen Keys

# **BHAXYA**

# **High Speed All Geared Lathe**



### **Standard Accessories:**

3 Jaw Self-Centering Chuck 4 – Jaw Independent Chuck, Steady Rest, Follow Rest, Toolbox, Foot Stand, Foot Brake, Coolant System, Machine Lamp, Centre, Centre Sleeve, Oil Gun, Driving Plate, Chasing Dial, Leveling Pad, Rear Splash Guard

### **Optional Accessories:**

American Type Quick change tool post with 3 tools holder, Taper turning attachment, Key way milling, attachment, 3/4 " Drill Chuck with Arbour & socket, 2 Axis DRO, Tool post grinder with 1.5 HP 3 Phase electrical Motor, Revolving center MT-5

PARTICULARS / MODEL	HSTY50B	HSTY50C	HSTY60B	HSTY60C
Center Height	250mm	250mm	300mm	300mm
Swing Over Bed	500mm	500mm	600mm	600mm
Swing Over Cross Slide	310mm	325mm	360mm	360mm
Swing in Gap	610mm	630mm	730mm	730mm
Length of Gap	260mm	260mm	260mm	260mm
Width of Bed	330mm	330mm	330mm	330mm
Admit Between Center	1000/1500/2000mm	1000/1500/2000mm	1000/1500/2000mm	1000/1500/2000mm
Spindle Nose	D1-8	D1-8	D1-8	D1-8
Spindle Bore	65mm	80mm	60mm	80mm
Spindle Speed	15/22-1800rpm	15/24-1600rpm	15/22-1800rpm	15/24-1600rpm
Compound Rest Travel	130mm	130mm	130mm	130mm
Cross Slide Travel	255mm	255mm	305mm	305mm
Lead Screw Thread	4TPI	4TPI	4TPI	4TPI
Tool Shank Size	25x25mm	25x25mm	25x25mm	25x25mm
Range of Longitudinal Feeds	66	66	66	66
Longitudinal Feeds	0.072 - 4.038mm/rev.	0.072 - 4.038mm/rev.	0.072 - 4.038mm/rev.	0.072 - 4.038mm/r
Range of Cross Feeds	33	33	33	33
Cross Feeds	0.036 - 2.019mm/rev.	0.036 - 2.019mm/rev.	0.036 - 2.019mm/rev.	0.036 - 2.019mm/re
Rapid Speed of Carriage	5000mm/min.	5000mm/min.	5000mm/min.	5000mm/min.
Metric Thread	66/0.5-28mm	66/0.5-28mm	66/0.5-28mm	66/0.5-28mm
Imperial Thread	66/1-56TPI	66/1-56TPI	66/1-56TPI	66/1-56TPI
Diametrical Thread	33/8-56DP	33/8-56DP	33/8-56DP	33/8-56DP
Module Thread	33/0.5-3.5MP	33/0.5-3.5MP	33/0.5-3.5MP	33/0.5-3.5MP
Tail Stock Quill Diameter	65mm	65mm	65mm	65mm
Tail Stock Quill Travel	120mm	120mm	120mm	120mm
Tail Stock Quill Taper	MT-5	MT-5	MT-5	MT-5
Main Motor Power	5.5kW	5.5kW	5.5kW	5.5kW
Coolant Pump Power	0.1kW	0.1kW	0.1kW	0.1kW
Rapid Speed Motor Power	0.12kW	0.12kW	0.12kW	0.12kW
Overall Dimensions (L x W x H)	2450x1150x1800mm	2450x1150x1800mm	2450x1150x1800mm	2450x1150x1800m
	2950x1150x1800mm	2950x1150x1800mm	2950x1150x1800mm	2950x1150x1800m
	3450x1150x1800mm	3450x1150x1800mm	3450x1150x1800mm	3450x1150x1800m
Net Weight	1650Kg.	1700Kg.	1750Kg.	1800Kg.
	1850Kg.	1900Kg.	1950Kg.	2000Kg.
	2100Kg.	2150Kg.	2200Kg.	2250Kg.

for more Information, scroll on



# **High Speed All Geared Lathe**



### **Standard Accessories:**

3 Jaw Self-Centering Chuck 4 – Jaw Independent Chuck, Steady Rest, Follow Rest, Face Plate, Toolbox, Foot Stand, Foot Brake, Coolant System, Machine Lamp, Centre, Centre Sleeve, Oil Gun, Driving Plate, Chasing Dial, Leveling Pad, Rear Splash Guard

### **Optional Accessories:**

American Type Quick change tool post with 3 tools holder, Taper turning attachment, Key way milling, attachment, 3/4 " Drill Chuck with Arbour & socket, 2 Axis DRO, Tool post grinder with 1.5 HP 3 Phase electrical Motor, Revolving center MT–5

PARTICULARS / MODEL	HSTY66B	HSTY66C	HSTY80B	HSTY80C
Center Height	330mm	330mm	400mm	400mm
Swing Over Bed	660mm	660mm	800mm	800mm
Swing Over Cross Slide	420mm	420mm	560mm	560mm
Swing in Gap	870mm	870mm	1010mm	1010mm
ength of Gap	230mm	205mm	230mm	230mm
Vidth of Bed	405mm	405mm	405mm	405mm
Admit Between Center	1000/1500/2000/3000mm	1000/1500/2000/3000mm	1000/1500/2000/3000mm	1000/1500/2000/3000mm
Spindle Nose	D1-8	01:20	D1-8	01:20
pindle Bore	82mm	105mm	82mm	105mm
pindle Speed	24/9-1600rpm	12/36-1600rpm	24/9-1600rpm	12/36-1600rpm
Compound Rest Travel	145mm	145mm	145mm	145mm
Cross Slide Travel	360mm	360mm	360mm	360mm
ead Screw Thread				
Fool Shank Size	25x25mm	25x25mm	25x25mm	25x25mm
Range of Longitudinal Feeds				
ongitudinal Feeds	0.028 - 6.42mm/rev.	0.063 - 2.52mm/rev.	0.028 - 6.42mm/rev.	0.063 - 2.52mm/rev.
Range of Cross Feeds				
Cross Feeds	0.012 - 2.73mm/rev.	0.027 - 1.07mm/rev.	0.012 - 2.73mm/rev.	0.027 - 1.07mm/rev.
Rapid Speed of Carriage	5000mm/min.	5000mm/min.	5000mm/min.	5000mm/min.
Metric Thread	0.5-225mm (48)	1 - 14mm (22)	0.5-225mm (48)	1 - 14mm (22)
mperial Thread	1/8-72TPI (46)	2 - 28TPI (24)	1/8-72TPI (46)	2 - 28TPI (26)
Diametrical Thread	1/4-56DP (45)	4-56DP (24)	1/4-56DP (45)	4-50DP (24)
Nodule Thread	0.5-112MP (42)	0.5-7MP (18)	0.5-112MP (42)	0.5-7MP (18)
ail Stock Quill Diameter	75mm	75mm	75mm	75mm
ail Stock Quill Travel	150mm	150mm	150mm	150mm
ail Stock Quill Taper	MT-5	MT-5	MT-5	MT-5
Jain Motor Power	7.5kW	7.5kW	7.5kW	7.5kW
Coolant Pump Power	0.1kW	0.1kW	0.1kW	0.1kW
Rapid Speed Motor Power	0.12kW	0.37 kW	0.12kW	0.12kW
Overall Dimensions (L x W x H)	2700x1150x1800mm	2700x1150x1800mm	2700x1150x1800mm	2700x1150x1800mm
	3200x1150x1800mm	3200x1150x1800mm	3200x1150x1800mm	3200x1150x1800mm
	3700x1150x1800mm	3700x1150x1800mm	3700x1150x1800mm	3700x1150x1800mm
	4700x1150x1800mm	4700x1150x1800mm	4700x1150x1800mm	4700x1150x1800mm
let Weight	3200Kg.	2850Kg.	3350Kg.	2850Kg.
	3500Kg.	3150Kg.	3650Kg.	3150Kg.
	4000Kg.	3400Kg.	4200Kg.	3400Kg.
	4250Kg.	3800Kg.	4470Kg.	3800Kg.

# BHAYA

# **High Speed All Geared Lathe**



One Piece Solid Cast Iron Machine Base

Foot Brake

PARTICULARS / MODEL	HST41/1000	HST41/1500
Center Height	205mm	205mm
Swing Over Bed	410mm	410mm
Swing Over Cross Slide	255mm	255mm
Swing In Gap	580mm	580mm
Length Of Gap	250mm	190mm
Width Of Bed	250mm	250mm
Admits Between Centre	1000mm	1500mm
Spindle Nose	D1-6	D1-6
Spindle Bore	52mm	52mm
Taper Of Spindle Nose	MT-6	MT-6
Spindle Speed	16 / 45-1800rpm	16 / 45-1800rpm
Compound Rest Travel	140mm	140mm
Cross Slide Travel	210mm	210mm
Lead Screw Thread	4-TPI	4-TPI
Tool Shank Size	20x20mm	20x20mm
Longitudinal Feeds	17/0.05-1.7mm/rev.	0.05-1.7mm/rev.
Cross Feeds	0.025-0.85mm/rev.	0.025-0.85mm/rev.
Metric Thread	42/0.2-14mm	39/0.2-14mm
Imperial Thread	45/2-72TPI	45/2-72TPI
Diametrical Thread	21/8-44DP	21/8-44DP
Module Thread	18/0.3-3.5MP	18/0.3-3.5MP
Tail Stock Quill Diameter	50mm	50mm
Tail Stock Quill Travel	120mm	120mm
Tail Stock Quill Taper	MT-4	MT-4
Main Motor Power	2.2/3.3Kw(3/4.5 HP)3 PH	2.2/3.3Kw(3/4.5 HP)3 PH
Coolant Pump Power	0.1kW(1/8HP),3PH	0.1kW(1/8HP),3PH
Overall Dimensions (L x W x H)	1940 x 850 x 1320mm	2060 x 850 x 1320mm
Net Weight	1060kgs	1340kgs



Speed & Feed Control Box with Metric, Imperial, DP & Module Thread Range



**Chuck Safety Guard** 



**Tool Post Guard** 





Follow Rest



Machine Lamp



STANDARD ACCESSORIES : 3 - Jaw Self Centering True Chuck, Steady Rest, Follow Rest, Face Plate, Foot Brake, Coolant System, Machine Lamp, Centre Sleeve, Centre, Driving Plate, Oil Gun, Instruction Manual, Leveling Pad, Rear Splash Guard

OPTIONAL ACCESSORIES : 4 - Jaw Independent Dog Chuck, 2 - Axis DRO (Digital Read Out), Quick Change Tool Post, Taper Turning Attachment, Key Way Milling Attachment, Tool Post Grinder, Revolving Centre, Pipe Centre, Anti Vibration Pad

**OPTIONAL - DRO** 



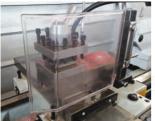
**High Speed All Geared Lathe** 



Speed & Feed Control Box with Metric, Imperial, DP & Module Thread Range



**Chuck Safety Guard** 



Tool Post Guard





Steady Rest



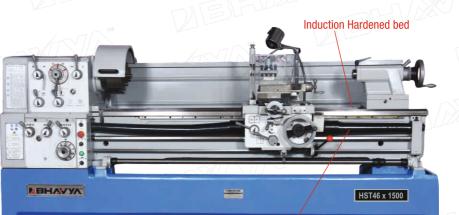


Machine Lamp

Tool Box **OPTIONAL - DRO** 

STANDARD ACCESSORIES : 3 - Jaw Self Centering True Chuck, Steady Rest, Follow Rest, Face Plate, Coolant System, Machine Lamp, Centre Sleeve, Centre, Oil Gun, Instruction Manual

**OPTIONAL ACCESSORIES :** 4 – Jaw Independent Dog Chuck, 2 - Axis DRO (Digital Read Out), Rear Splash Guard, Quick Change Tool Post, Taper Turning Attachment, Key Way Milling Attachment, Tool Post Grinder, Driving Plate, Revolving Centre, Pipe Centre, Anti Vibration Pad



One Piece Solid Cast Iron Machine Base

Foot Brake

Lead Screw Guard

	PARTICULARS / MODEL	HST46
	Center Height	230mm
	Swing Over Bed	460mm
	Swing Over Cross Slide	//270mm
	Swing In Gap	690mm
	Length Of Gap	165mm
	Width Of Bed	300mm
	Admits Between Centre	1000/1500/2000mm
	Spindle Nose	D1-6
	Spindle Bore	58mm
	Spindle Speed	12/25-2000rpm
	Compound Rest Travel	128mm
	Cross Slide Travel	285mm
	Lead Screw Thread	6mm/4-TPI
j	Tool Shank Size	25x25mm
	Longitudinal Feeds	0.031-1.7mm/rev.
	Cross Feeds	0.014-0.784mm/rev.
	Metric Thread	41/0.1-14mm
	Imperial Thread	60/2-112TPI
	Diametrical Thread	50/4-112DP
	Module Thread	34/0.1-7MP
	Tail Stock Quill Diameter	60mm
	Tail Stock Quill Travel	130mm
	Tail Stock Quill Taper	MT-4
	Main Motor Power	5.5Kw
	Coolant Pump Power	0.1kW
	Overall Dimensions (L x W x H)	2200x1080x1370mm
		2750x1080x1370mm
		3250x1080x1370mm
	Net Weight	1645kgs
		1810kgs
	TM TM	1965kgs

# 

# **High Speed All Geared Lathe**

Induction Hardened bed



### One Piece Solid Cast Iron Machine Base Foot Brake

	4	7/~	
PARTICULARS / MODEL	HST51	HST56	5×1/\
Center Height	255mm	280mm	
Swing Over Bed	510mm	560mm	
Swing Over Cross Slide	305mm	355mm	
Swing In Gap	735mm	785mm	
Length Of Gap	270		
Width Of Bed	350		
Admits Between Centre	1000/1500/2	000/3000mm	
Spindle Nose	D1	-8	
Spindle Bore	80r	nm)//=>//	
Spindle Speed	12/25-1	600rpm	
Compound Rest Travel	130	mm	
Cross Slide Travel	315	mm	
Lead Screw Thread	6mm/	4-TPI	
Tool Shank Size	25x2	5mm	
Longitudinal Feeds	35/0.059-1.	646mm/rev.	
Cross Feeds	35/0.020-0.	573mm/rev.	
Metric Thread	47/0.1-	14mm	
Imperial Thread	60/2-1	12TPI	
Diametrical Thread	50/4-1	12DP	
Module Thread	39/0.1	-7MP	
Tail Stock Quill Diameter	75r	nm	
Tail Stock Quill Travel	180	mm	
Tail Stock Quill Taper	IM CM	-5	
Main Motor Power	7.5	Kw	
Coolant Pump Power	0.1	kW	
Overall Dimensions (LxWxH)	2390x1150x1430mm	2390x1150x1460mm	
	2840x1150x1430mm	2840x1150x1460mm	Internet a street
4	3340x1150x1430mm	3340x1150x1460mm	
	4340x1150x1430mm	4340x1150x1460mm	8
Net Weight	2070kgs	2195kgs	OPTIONAL - DRO
	2160kgs	2285kgs	4
	2435kgs	2560kgs	STANDARD ACC
TM	2805kgs	2930kgs	Steady Rest, Foll Lamp, Centre Sle
			Lamp, Jenue Sie



Speed & Feed Control Box with Metric, Imperial, DP & Module Thread Range



**Chuck Safety Guard** 



**Tool Post Guard** 





Machine Lamp



STANDARD ACCESSORIES : 3 - Jaw Self Centering True Chuck, Steady Rest, Follow Rest, Face Plate, Coolant System, Machine Lamp, Centre Sleeve, Centre, Oil Gun, Instruction Manual, Leveling Pad, Rear Splash Guard

OPTIONAL ACCESSORIES: 4 – Jaw Independent Dog Chuck, 2 – Axis DRO (Digital Read Out), Quick Change Tool Post, Taper Turning Attachment, Key Way Milling Attachment, Tool Post Grinder, Driving Plate, Revolving Centre, Pipe Centre, Anti Vibration Pad

for more Information, scroll on

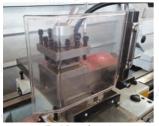




Speed & Feed Control Box with Metric, Imperial, DP & Module Thread Range



Chuck Safety Guard



Tool Post Guard



Steady Rest





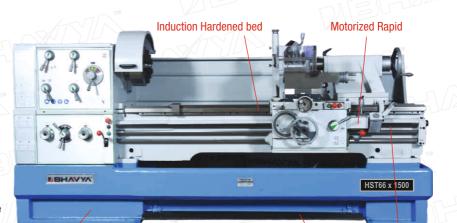
OPTIONAL - DRO

Machine Lamp Tool Box

STANDARD ACCESSORIES : 3 - Jaw Self Centering True Chuck, Steady Rest, Follow Rest, Face Plate, Coolant System, Machine Lamp, Centre Sleeve, Centre, Oil Gun, Instruction Manual, Leveling Pad, Rear Splash Guard

**OPTIONAL ACCESSORIES :** 4 – Jaw Independent Dog Chuck, 2 – Axis DRO (Digital Read Out), Quick Change

Tool Post, Taper Turning Attachment, Key Way Milling Attachment, Tool Post Grinder, Driving Plate, Revolving Centre, Pipe Centre, Anti Vibration Pad



### One Piece Solid Cast Iron Machine Base

**PARTICULARS / MODEL** HST66 HST80 Center Height 330mm 400mm Swing Over Bed 660mm 800mm Swing Over Cross Slide 440mm 570mm 900mm Swing In Gap 1035mm Length Of Gap 340mm Width Of Bed 400mm 1500/2000/3000mm Admits Between Centre Spindle Nose D1-8 105mm Spindle Bore Spindle Speed 16/25-1600rpm **Compound Rest Travel** 230mm Cross Slide Travel 365mm 420mm Lead Screw Thread 12mm/2-TPI **Tool Shank Size** 30x30mm Longitudinal Feeds 25/0.044-1.48mm/rev. **Cross Feeds** 25/0.033-0.74mm/rev. Metric Thread 54/0.45-120mm Imperial Thread 54/7/16-80TPI **Diametrical Thread** 42/7/8-160DP Module Thread 46/0.25-60MP Tail Stock Quill Diameter 85mm Tail Stock Quill Travel 235mm MT-5 Tail Stock Quill Taper Main Motor Power 7.5Kw **Coolant Pump Power** 0.1kW Overall Dimensions (LxWxH) 3210x1230x1600mm 3210x1230x1670mm 3710x1230x1600mm 3710x1230x1670mm 4710x1230x1600mm 4710x1230x1670mm Net Weiaht 3065kgs 3175kgs 3345kgs 3455kgs 3710kgs 3820kgs

### Foot Brake

Lead Screw

Guard

ВНХУХ™

# **All Geared Extra Heavy Duty Lathe**



PARTICULARS / MODEL	HSTH80	HSTH110	HSTH125
Center Height	400mm	550mm	625mm
Swing Over Bed	7/800mm	1100mm	1250mm
Swing Over Cross Slide	480mm	800mm	920mm
Swing in Gap	1000mm	1300mm	1450mm
Length of Gap	300mm	300mm	300mm
Width of Bed	600mm	600mm	600mm
Max. Weight of Work Piece	2500Kg.	2500Kg.	2500Kg.
Admit Between Centre	1500/3000/5000/6000/8000/10000mm	1500/3000/5000/6000/8000/10000mm	1500/3000/5000/6000/8000/10000mm
Spindle Nose	D-11	D-11	D-11
Spindle Bore	105mm	105mm	105mm
Spindle Speed	18/5.4 - 720rpm	18/4.8 - 640rpm	18/4.8 - 640rpm
Compound Rest Travel	200mm	200mm	200mm
Cross Slide Travel	500mm	500mm	500mm
Lead Screw Thread	12mm	12mm	12mm
Tool Shank Size	40mm X 40mm	40mm X 40mm	40mm X 40mm
ongitudinal Feeds	64/0.05 - 24.3mm/rev.	64/0.05 - 24.3mm/rev.	64/0.05 - 24.3mm/rev.
Cross Feeds	64/0.025 - 12.15mm/rev.	64/0.025 - 12.15mm/rev.	64/0.025 - 12.15mm/rev.
Rapid Speed of Carriage	3740mm/min.	3740mm/min.	3740mm/min.
Rapid Speed of Cross Slide	1870mm/min.	1870mm/min.	1870mm/min.
Vetric Thread	50/1-240mm	50/1-240mm	50/1-240mm
mperial Thread	26/1-14TPI	26/1-14TPI	26/1-14TPI
Diametrical Thread	24/1-28DP	24/1-28DP	24/1-28DP
Vodule Thread	53/0.5-120MP	53/0.5-120MP	53/0.5-120MP
Tail Stock Quill Diameter	90mm	90mm	90mm
Fail Stock Quill Travel	250mm	250mm	250mm
Tail Stock Quill Taper	MT-5	MT-5	MT-5
Main Motor Power	11kW	11kW	11kW
Rapid Motor Power	1.1kW	1.1kW	1.1kW
Coolant Pump Power	0.1kW	0.1kW	0.1kW

# BHAYY

# **All Geared Extra Heavy Duty Lathe**



HSTH125B	HSTH160B
625mm	800mm
1250mm	1600mm
860mm	1200mm
755mm	755mm
6000Kg.	6000Kg.
1500/3000/5000/6000/8000/10000/12000mm	1500/3000/5000/6000/8000/10000/12000mm
Metric 140	Metric 140
130mm	130mm
21/3.15 - 315rpm	21/3.15 - 315rpm
300mm	300mm
630mm	630mm
45mm X 45mm	45mm X 45mm
56/0.1 - 12mm/rev.	56/0.1 - 12mm/rev.
56/0.05 - 6mm/rev.	56/0.05 - 6mm/rev.
3740mm/min.	3740mm/min.
1870mm/min.	1870mm/min.
935mm/min.	935mm/min.
44/1-120mm	44/1-120mm
31/24-1/4TPI	31/24-1/4TPI
38/56-1/2DP	38/56-1/2DP
45/0.5-60MP	45/0.5-60MP
160mm	160mm
300mm	300mm
MT-6	MT-6
22kW	22kW
1.5kW	1.5kW
0.1kW	0.1kW
	625mm 1250mm 860mm 755mm 6000Kg. 1500/3000/5000/6000/8000/10000/12000mm Metric 140 130mm 21/3.15 - 315rpm 300mm 630mm 45mm X 45mm 630mm 45mm X 45mm 56/0.1 - 12mm/rev. 56/0.05 - 6mm/rev. 56/0.05 - 6mm/rev. 3740mm/min. 1870mm/min. 935mm/min. 44/1-120mm 31/24-1/4TPI 38/56-1/2DP 45/0.5-60MP 160mm 300mm MT-6 22kW

# All Geared Extra Heavy Duty Lathe



PARTICULARS / MODEL	HSTH160	HSTH200
Center Height	800mm	1000mm
Swing Over Bed	1600mm	2000mm
Swing Over Cross Slide	1200mm	1580mm
Width of Bed	1100mm	1100mm
Max. Weight of Work Piece	16000Kg.	16000Kg.
Admit Between Centre	3000/5000/6000/8000/10000/12000mm	3000/5000/6000/8000/10000/12000mm
Spindle Nose	Metric 140	Metric 140
Spindle Bore	130mm	130mm
Spindle Speed	21/2 - 200rpm	21/2 - 200rpm
Compound Rest Travel	300mm	300mm
Cross Slide Travel	950mm	950mm
Tool Shank Size	45mm X 45mm	45mm X 45mm
Longitudinal Feeds	56/0.1 - 12mm/rev.	56/0.1 - 12mm/rev.
Cross Feeds	56/0.25 - 3mm/rev.	56/0.25 - 3mm/rev.
Rapid Speed of Carriage	3740mm/min.	3740mm/min.
Rapid Speed of Cross Slide	1870mm/min.	1870mm/min.
Rapid Speed of Tool Slide	935mm/min.	935mm/min.
Metric Thread	44/1-120mm	44/1-120mm
Imperial Thread	31/24-1/4TPI	31/24-1/4TPI
Diametrical Thread	38/56-1/2DP	38/56-1/2DP
Module Thread	45/0.5-60MP	45/0.5-60MP
Tail Stock Quill Diameter	180mm	180mm
Tail Stock Quill Travel	300mm	300mm
Tail Stock Quill Taper	Metric 80	Metric 80
Main Motor Power	22kW	22kW
Rapid Motor Power	1.5kW	1.5kW
Coolant Pump Power	0.1kW	0.1kW

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# All Geared Extra Heavy Duty Radial Drilling Machine (Hydraulic Clamping)

Hydraulic Lock for Column & Arm

### HRD50 X 16

PARTICULA

CAPACITY



Hydraulic Arm & Head Locking



Speed & Feed Dial



Fine Feed Quill Hand Wheel



Quill Feed Handle



Drilling Capacity	50mm	63mm	63mm	80mm	100mm
Tapping Capacity	M36	M42	M42	M48	M52
Boring Capacity	120mm	150mm	150mm	180mm	200mm
DRILL HEAD					
Taper in Spindle	MT-5	MT-5	MT-5	MT-6	MT-6
Spindle Travel	315mm	400mm	400mm	450mm	500mm
Number of Spindle Speeds	16	16	16	16	22
Range of Spindle Speeds	25-2000rpm	20-1600 rpm	20-1600rpm	16-1250rpm	8-1000rpm
Number of Spindle Auto Feeds	16	16	16	16	16
Range of Spindle Auto Feeds	0.04-3.20mm/rev.	0.04 - 3.2 mm/r	0.04-3.20mm/rev.	0.04-3.20mm/rev.	0.06-3.20mm/re
Drill Head & Column Locking	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
WORKING RANGE					
Arm Length	1770mm	1750mm	2000mm	2500mm	3100mm
Travel of Drill Head	1250mm	1200mm	1550mm	2000mm	2550mm
Drilling Radius Min./Max.	525/1775mm	500/1750mm	675/2275mm	775/2775mm	875/3375mm
Dist. Spindle Axis and Column.	350/1600mm	450/1600mm	450/2000mm	530/2530mm	570/3150mm
Dist. Spindle and Base Plate	320/1220mm	400/1600mm	450/1650mm	600/2050mm	700/2500mm
Diameter Of Column	350mm	350mm	450mm	550mm	650mm
BOX TABLE					
Box Table Size	630x500x500mm	630x500x500mm	950x630x500mm	1000x800x560mm	1250x800x560mr
Number Of T Slots in Box Table	5	5	7	7	7
Size in T Slots in Box Table	22mm	22mm	22mm	22mm	22mm
ELECTRICAL					
Power Supply of Main Motor	4kW	5.5kW	5.5kW	7.5kW	15kW
Power Supply of Elevating Motor	1.5kW	1.5kW	1.5kW	3kW	3kW
DIMENSION & WEIGHT					
Length x Width x Height	2500x1070x2550mm	2540x1070x2960mm	3080x1250x3245mm	3730x1400x3835mm	4600x1600x4500m
Net Weight	3500Kgs.	3700Kgs.	7300Kgs.	10500Kgs.	20000Kgs.
- 11			$\sum$	515440	

HRD80 X 25

HRD63 X 16

Standard Accessories : Box Table, Coolant System, Machine Lamp, Drill Chuck with Arbor, Reduction Sleeve, Wedge, Tool Box, Instruction Manual, Foundation Bolt ev.

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# **All Geared Extra Heavy Duty Radial Drilling Machine (Electro Mechanical** Clamping)

BHAVY

### STANDARD ACCESSORIES:

- Electricals consisting of two Motors, Contactors, Relays, Limit Switches, Control Transformers, Push Buttons, Wiring etc..
- Electro Mechanical clamping for column, arm and drill head with motor
- · First Fill of Lubricants and Greases
- Drill drift
- Instruction & Spares parts manual
- Test Chart as per IS 2199-1989

### **OPTIONAL ACESSORIES:**

- Box table
- Tilting Table
- Coolant pump with fittings
- Work light without bulb
- **Drill Sleeve Set**
- Drill Chuck with Arbour & Key
- Foundation bolt, washer, nut, setting bolt, setting pad
- Drill Vice
- Hydraulic Clamping In lieu of Electro Mech. Clamping

	PARTICULARS	Unit	EMRD60 X 15	EMRD60 X 23
1	CAPACITY		- MAY	-
	Drilling Capacity in Steel/CI	mm	60/70	60/70
	TAPPING CAPACITY			
	Metric Treads fine pitch	mm	48 x 3	48 X 3
	Any other Threads fine pitch	inch	1 3/4"	1 3/4"
	Light boaring capacity in Steel	mm	120	120
	DRILL HEAD			
	Taper in spindle		MT5	MT5
	Number of spindle speed / range	rpm	12/40-1700	12/40-1700
	Number of feed / range	mm/rev	6/0.12 - 1.25	6/0.12 - 1.25
	WORKING RANGE			
	Drilling radius: Min./Max.	mm	530 / 1500	550 / 2350
	Drill head traverse	mm	970	1800
	Distance between spindle axis & column face: MIN / MAX:	mm	355 / 1325	355 / 2150
	Distance between base plate & spindle : Maximum	mm	1425	1625
	Minimum (Spindle retracted)		675	705
	Spindle travel	mm	325	325
	Diameter of column	mm	350	400
	Arm traverse	mm 🗸	750	940
	BASE PLATE			
	Working surface of base plate (I x w)	mm	1490 X 910	2300 X 1000
	Height of base plate	mm	210	210
	Overall size base plate	mm	2220 X 935	3100 X 1015
	Nominal size of T slots	mm	22	22
	Number of T slots / Spacing	No./mm	3 / 250	3 / 250
	ELECTRICAL			
	Power supply A.C.	V.pg. Hz	415, 3,50	415, 3, 15
_	Power of drill head motor	kw	4.5	4.5
	Arm Elevating Motor	kw	1.5	2.2
	DIMENSIONS & WEIGHT			
1	All Over L x W x H	mm	2400x1010x3150	3310x1025x3400
~	Packing L x W x H	mm	2520x1230x2800	3600x1350x3200
	Net weight / Gross	kg.	3500 / 4550	4600 / 5800

**Quill Feed Handle** 

3500 / 4550 4600 / 5800

for more Information, scroll on

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BHAYY

**Power Console** 



**Operating Console** 



**Coolant System** 



# All Geared Extra Heavy Duty Radial Drilling Machine (Mechanical Clamping)





ВНХУХ™

Auto Feed Function







Box Table

**Operating Console** 



Coolant System



Machine Lamp



Power Console

### Standard Accessories :

Box Table, Coolant System, Machine Lamp, Drill Chuck with Arbor, Reduction Sleeve, Wedge, Tool Box, Instruction Manual

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J	PARTICULARS	ERD40 X 11	ERD50 X 16B
	CAPACITY		
	Drilling Capacity	40mm	50mm
	Tapping Capacity	M25	M25
	Boring Capacity	100mm	100mm
	DRILL HEAD		TM
	Taper in Spindle	MT4	MT5
	Spindle Travel	260mm	315mm
	Number of Spindle Speeds	12	12
	Range of Spindle Speeds	40-1896rpm	34-1280rpm
	Number of Spindle Auto Feeds	4	12
	Range of Spindle Auto Feeds	0.13-0.54mm/rev.	0.1-0.56mm/rev.
	Drill Head & Column Locking	Manual	Manual
	WORKING RANGE		TM
	Arm Length	1100mm	1600mm
	Dist. Spindle Axis and Column.	350-1030mm	360-1600mm
	Dist. Spindle and Base Plate	170-1100mm	300-1050mm
	Diameter Of Column	230mm	280mm
	BOX TABLE		
	Box Table Size	560x380x300mm	600x500x310mm
	Number Of T Slots in Box Table	3	3
	Size in T Slots in Box Table	16mm	16mm
	ELECTRICAL		
	Power Supply of Main Motor	3.0kW	4kW
	Power Supply of Elevating Motor	0.55kW	1.5kW
	DIMENSION & WEIGHT		
	Length x Width x Height	1800x820x2000mm	2270x950x2450mm
1	Net Weight	1500Kgs.	2450Kgs.
-		IIP /-	



# All Geared Radial Drill (Auto Feed)

- Column, Arm, Work Head & Gears are made out of Closed Grain.
- Parts Properly Balanced
- Prior Assembling of Main Gear & Pully
- Parts Finished on imported Grinding Machine
- All moving parts Finished to close Tolerance
- Spindle Ram is made out of Alloy Steel.
- Main Spindle & Pinon are Made out of EN Forged Steel.

### All Geared Auto Feed

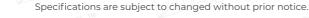
	Model		BR40AA	
j	Drilling in M.S.	40	Max/Min. Dist. Spindle nose to base	950/250
	Drilling in C.I.	45	Max. Drilling Radius	1020
	Tapping in M.S.	25	Machine Measu. (LXBXH)	1200x780x2100
	Boring is M.S.	75	Diameter of Column	180
	Spindle Hole Taper	MT – 4	Work Table	300x300x385
	Spindle Travel	250	Coolant Tank	640x290x130
	Spindle Speeds (RPMx Steps)	9-70-1225	Drill-head Motor	1.5HP / 960RPM
	Diameter of RAM	78	Elevating Motor	1 HP / 1440RPM
1	Spindle Auto feed Ranges	0.05 & 0.09	Lifting Motor V-belt	B-25/ B-26

# Belt Driven Radial Drill (Auto Feed)

- · Column, Arm, Work Head & Gears are made out of Closed Grain.
- Parts Properly Balanced
- Prior Assembling of Main Gear & Pully
- Parts Finished on imported Grinding Machine
- All moving parts Finished to close Tolerance
- Spindle Ram is made out of Alloy Steel.
- Main Spindle & Pinon are Made out of EN Forged Steel.

	Model	R40BA	Model	R40BA
	Drilling in M.S.	40	Max/Min. Dist. Spindle	
	Drilling in C.I.	45	Center to column	920/385
	Tapping in M.S.	20	Max. Drilling Radius	990
	Boring is M.S.	75	Machine Measu. (LXBXH)	1350x850x1825
	Spindle Hole Taper	MT – 4	Diameter of Column	170
	Spindle Travel	250	Work Table	300x300x385
	Spindle Speeds (RPMx Steps)	88-2600x 8	Drill-head Motor	1.5HP/1440RPM
	Diameter of RAM	78	Elevating Motor	1 HP/1440RPM
h	Spindle Auto feed Ranges	0.05 & 0.09	Head Motor V-belt	B-47
Z	Max/Min. Dist. Spindle nose to base	850/250	Lifting Motor V-belt	B-25/ B-26

Auto Feed Model



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# **Belt Driven Radial Drill**





- Parts Properly Balanced
- Prior Assembling of Main Gear & Pully
- Parts Finished on imported Grinding Machine
- All moving parts Finished to close Tolerance
- Spindle Ram is made out of Alloy Steel.
- Main Spindle & Pinon are Made out of EN Forged Steel.

Model		BR – 38	
CAPACITY		Working range	TM
Drilling Capacity	38mm	Dist. From Spindle to base (Max/Min)	950/240
Column Diameter	170mm	Dist. From Colum to Spindle	740/360
Spindle Nose	MT-4	Max.Drilling Radius	830
Dist. From Spindle		ELECTRICALS	
to Pillar Surface	740mm	Drilling Head Motor (1440RPM)	1.5
Spindle Travel	250mm	Lifting of arm Motor (1440 RPM)	0.5 H.P
No. Of Spindle Speed	8	V-BELT Section	B-47& B-24
Spindle Speed (RPM)	100-2125	OTHERS	
Diameter of Ram	78 mm	Machine Measurement	1240x750x2000
Approx Weight Kg.	800	Size of box TABLE	375x290x290

# **Belt Driven Radial Drill**



Ideal for Educational Institute

ВНХУХ™

- Column, Arm, Work Head & Gears are made out of Closed Grain.
- Parts Properly Balanced
- Prior Assembling of Main Gear & Pully
- Parts Finished on imported Grinding Machine
- All moving parts Finished to close Tolerance
- Spindle Ram is made out of Alloy Steel.
- Main Spindle & Pinon are Made out of EN Forged Steel.

Model		BR – 25	
CAPACITY		Dist. From Spindle to base	810/130 (Max/Min)
Drilling Capacity	25mm	Dist. From Coloumm to Spindle	620/350
Column Diameter	127mm	ELECTRICS	
Spindle Nose	MT-3	Drilling Head Motor (1440RPM)	1
Spindle Travel	200mm	Lifting of arm Motor (1440 RPM)	0.5 H.P
No. Of Spindle Speed	8	V-BELT Section	B-40& B-23
Spindle Speed (RPM)	110-2880	OTHERS	
Diameter of Ram	72 mm	Machine Measurement	1020x810x1830
WORKING RANGE		Size of box TABLE	275x200x200
Max. Drilling Radius	660	Approx Weight Kg.	425

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# **All Geared Pillar Drill**

MODEL	ED-30	ED-35	ED-40	ED-50
Max. Drilling Capacity	30mm	35mm	40mm	50mm
Max. Tapping Capacity	M20	M24	M27	M30
Diameter Of Column	120mm	140mm	160mm	180mm
Spindle Travel	135mm	160mm	180mm	240mm
Distance Spindle To Column	320mm	330mm	360mm	360mm
Spindle Nose To Table	550mm	590mm	590mm	570mm
Spindle Nose To Base	1100mm	1180mm	1180mm	1160mm
Spindle Taper	MT-3	MT-4	MT-4	MT-4/MT-5
Number Spindle Speeds	12	12	12	12
Range Of Spindle Speeds	65 4 2600rpm	75 4 2500rpm	42 4 2050rpm	42 4 2050rpm
Spindle Feeds	0.1-0.2-0.3	0.1-0.2-0.3	0.7-0.15-0.26-0.40	0.7-0.15-0.26-0.40
Worktable Size	500 x 440mm	500 x 440mm	550 x 470mm	550 x 470mm
Table Travel	490mm	550mm	550mm	550mm
Base Size	400 x 390mm	400 x 390mm	450 x 440mm	450 x 440mm
Overall Height	2050mm	2300mm	2330mm	2380mm
Main Motor	0.85/1.1kw	1.5/2.2kw	2.2/2.8kw	2.2/2.8kw
Coolant Motor	40w	40w	40w	40w
G.W/ N.W	495/450kg.	595/545kg.	815/755kg.	1045/985kg.
Packing Dimension	108 x 62 x 215	108 x 62 x 220	108 x 62 x 245	108 x 62 x 245

### STANDARD ACCESSORIES

Auto Feed 
 Machine Lamp 
 Coolant System

OPTIONAL ACCESSORIES

Depth Controller • DRO • Spindle Slip Display

# Belt Driven Pillar Drill

Model	BMT-38	BMTL-38	BPSL-40
Drilling Capacity (mm)	38	38	40
Pillar Dia. (mm)	100	120	120
Spindle Nose To table distance(mm)	625	710	595
Spindle Nose To base distance (mm)	1050	1050	1050
Distance from Spindle center to pillar Face (mm)	270	320	320
Tapper in Spindle	MT.4	MT.4	MT.4
No. of Spindle Speed	8	8	8
Rang of Speed(RPM)	65-2100	80-3200	80-3200
Table Size(mm)	385x385	410x410	455x455
Base Size (mm)	400x350	415x350	440x715
Over all Base Size (mm)	630x455	710x450	720x520
Spindle Travel (mm)	225	240	250
Pillar length (mm)	1425	1450	1500
Overall height with Pulley Guard(mm)	1750	1750	1860
V-Belt Section	B.58	B.58"	B.59
Weight (Approx) (Kgs.)	300	325	325
Main Motor Power (HP)	1.5	1.5	1.5

Column, Arm, Work Head & Gearsare made out of Closed Grain. • Parts Properly Balanced • Prior Assembling of Main Gear & Pully • Parts Finished on Imported Grinding M/c. All Moving Parts Finished to Close Tolerance. • Spindle Ram is made out of Alloy Steel, ain Spindle & Pinon are Made out of EN Forged Steel.

BMTL-38

for more Information, scroll on

BMT-38



# **Belt Driven Pillar Drill**



<ul> <li>Parts Properly Ba</li> </ul>	lanced
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- Prior Assembling of Main Gear & Pully
- Parts finished on imported Grinding M/c.
- All Moving Parts Finished to Close Tolerance.
- Main Spindle & Pinon are Made out of EN Forged Steel.
- Spindle Ram is made out of Alloy Steel.

Model	BMT – 25	BMTL – 25	BMT – 25 H
Drilling Capacity (mm)	25	25	25
Pillar Dia. (mm)	90	90	90
Spindle Nose	MT – 3	MT – 3	MT – 3
Spindle Travel (mm)	155	250	160
Spindle Center To Pillar Surface (mm)	230	250	381
No. Of Spindle Speed	8	8	8
Spindle Speed (RPM)	105-5650	96 - 2600	96 - 2600
Table Size (mm)	330 x 330	405 x 405	420 x 420
Base Size (mm)	365 x 540	625 x 400	630 x 370
Base To Spindle Nose (mm)	1100	1000	635
Main Motor Power (HP)	1	1	1 / 1.5

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# **Belt Driven Pillar Drill**



<ul> <li>Parts F</li> </ul>	roperly	Balanced
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- Prior Assembling of Main Gear & Pully
- Parts finished on imported Grinding M/c.
- All Moving Parts Finished to Close Tolerance.
- Main Spindle & Pinon are Made out of EN Forged Steel.
- Spindle Ram is made out of Alloy Steel.

Model	BMT – 13	BMT – 20	BMT – 20 H
Drilling Capacity (mm)	13	20	20
Pillar Dia. (mm)	47	75	87
Spindle Nose	Solid	MT - 2	MT - 2
Spindle Travel (mm)	75	125	125
Spindle Center To Pillar Surface (mm)	175	215	381
No. Of Spindle Speed	4	8	8
Spindle Speed (RPM)	500 - 2800	87 - 3200	87 - 3200
Table Size (mm)	210 x 210	275 x 275	420 x 420
Base Size (mm)	225 x 345	320 x 460	630 x 370
Base To Spindle Nose (mm)	445	925	635
Main Motor Power (HP)	0.5	1	1
	1/11		





# **Drilling & Tapping Machine**

### Manual Feed Drilling / Drilling Cum Tapping Machine

		J
MODEL	LG-340A	LG-550A
Drilling Capacity	Ø20mm	Ø25mm
Max. Tapping Capacity	M10	M18 / M20*
Spindle Taper	MT2	Mt3
Spindle Travel	100mm	140mm
Spindle Speed	190-2840rpm	230-1910rpm
No. of Speeds	9	9
Swing	360	460
Column Diameter	Ø80mm	Ø102mm
Table Diameter	Ø360mm	Ø420mm
Base Size	300x500mm	380x600mm
Max. Dist. Spindle to Table	450mm	630mm
Max. Dist. Spindle to Base	620mm	930mm
Motor	1HP	2HP
Overall Height	1070mm	1540mm
Weight	90kg	190kg

### **Auto Feed Drilling Machine**

MODEL	LG-120	LG-250
Drilling Capacity	Ф16mm	Ф25 mm
Spindle Taper	MT2	Mt3
Spindle Travel	100mm	140mm
Spindle speed	470-1730rpm	250-2500 rpm
Number of Speed	4	6
Swing	360	460
Column Diameter	Ф80mm	Ф102 mm
Table Diameter	Ф320mm	Ф420 mm
Base Size	300 x 500mm	500 x 400mm
Max. Dist. Spindle to Table	400mm	630 mm
Max. Dist. Spindle to Base	600mm	800mm
Motor	1 HP	2 HP
Overall Height	1050mm	1600mm
Weight	100kg	220kg

### **Hydraulic Drilling Machine**

MODEL	YDZ-20	YDZ-30
Drilling Capacity	Ф5 - Ф20 mm	Ф10 - Ф30 mm
Spindle Taper	MT2	Mt3
Spindle Travel	135mm	140mm
Spindle Speed	500-1800rpm	400-1800rpm
No. of Speeds	4	4
Column Diameter	Ф102mm	Ф120mm
Table Size	390 x 430mm	370 x 430mm
Outer Diameter of Spindle	Ф65mm	Φ75mm
Max. Dist. Spindle to Table	220 - 670mm	0 - 630mm
Max. Dist. Spindle to Column	235mm	270mm
Motor	2HP	2HP
Standard working Pressure	20kgf / cm(2MPa)	20kgf/cm(2MPa)
Weight	350kg	420kg

for more Information, scroll on

# **Drilling & Tapping Machine**



MODEL	JT-4508	JT-6516	JT 6532 VERTICAL
Tapping Capacity for Stainless Steel	M1 - M8mm	M3 - M16mm	M8 - M33mm
Spindle Taper	MT2	Mt3	MT-3
Spindle Travel	60mm	60mm	65mm
Size of Worktable	235 x 230mm	340 x 360mm	420 x 375mm
Distance from Spindle to Table	470mm	470mm	450mm
Distance between Spindle to Column	185mm	185mm	185mm
Spindle Speed	1600,900,500rpm	590, 400, 260rpm	120, 220, 420rpm
Motor	1HP	2HP	3HP
Overall Size	600 x 300 x 930mm	555 x 400 x 700mm	103 x 70 x 137mm
Weight	120kg	165kg	380 kg
Screw Pitch(mm)	1.25, 1.5, 1.75, 2.0 (Extra :	2.5, 3.0, 3.5, 7, 8, 9, 10, 11, 1	12, 13, 14, 16, 18, 19)

### **Manual Tapping Machine**

MODEL	SWJ-14	SWJ-20
Maximum Tapping Diameter	M14mm	M20mm
Morse Taper of Spindle	B16	B18
Max. Distance between Spindle and Column	125mm	195mm
Spindle Travel	38mm	45mm
Column Diameter	50mm	70mm
Size of Worktable	240 x 240mm	270 x 280mm
Max. Distance Spindle to Table	220mm	520mm
Max. Distance Spindle to Base	320mm	680mm
Size of worktable base	180 x 200mm	280 x 280 mm
Spindle speed	260, 440, 750rpm	480, 360, 180rpm
Motor	1.0HP	1.5HP
Overall Size	495 x 250 x 825mm	1000 x 140 x 830 mm
Weight	48kg	142kg
		1.77

**Multi-Spindles** 



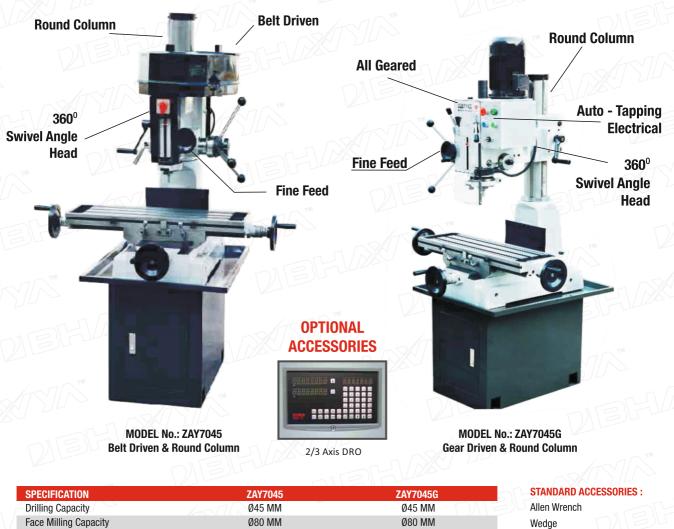




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	Model	Chuck Size	Max. Drilling Capacity	Min. Center Distance	Max. Center Distance	Number of Spindle
1	St108	ER11	7mm	-	108	2
	ST200	ER20	13mm	45	201	2
		ER25	16mm	45		
	Mu110	C5	5mm	13	Φ110	4
		ER11	7mm	18		6
	MU140	C5	5mm	13	Ф140	4
		ER11	7mm	18		6
	MU165	C5	5mm	13	Φ165	4
		C6	6mm	18		6
		ER8	5mm	13		8
Y		ER16	10mm	26		10
	MU185	C5	5mm	13	Φ185	4
		C6	6mm	<i>□ □ □</i> 18		6
		C9	9mm	25		6
		ER8	5mm	13		8
		ER11	7mm	18		8
		ER16	10mm 🗸	26		10
		ER20	13mm	28		10
	Mu200	C5	5mm	13	Φ200	4
		C6	6mm	18		6
1		C9	9mm	25		-
1		ER8	5mm	13		N 8DP
		ER11	7mm	18		8
1		ER16	10mm	26		10
		ER20	13mm	28		12

# **BHXYX** J

# **Drilling & Milling Machine**



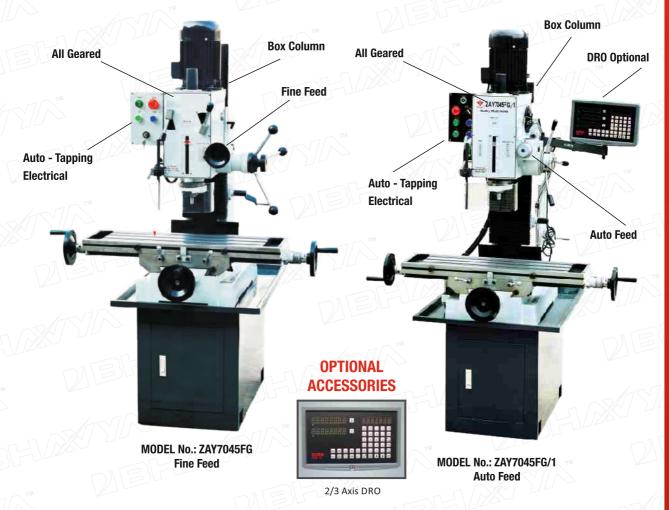
SPECIFICATION	ZAT/045	ZAT/0456	UTANDAND AUUEUUUINEU
Drilling Capacity	Ø45 MM	Ø45 MM	Allen Wrench
Face Milling Capacity	Ø80 MM	Ø80 MM	Wedge
End Milling Capacity	Ø32 MM	Ø32 MM	Tie Rod
Boring Capacity	Ø30 to Ø80 MM	Ø30 to Ø80 MM	Working Lamp
Tapping Capacity	Ø4 to Ø12 MM	Ø4 to Ø12 MM	Coolant System
Distance : Spindle Nose to Table	450 MM ( Optional : 680 MM )	440 MM ( Optional : 670 MM )	
Min. Distance : Spindle Axis to Column	203.50 MM	272.50 MM	Boring Bar
Column Diameter	115 MM	115 MM	Drill Chuck
Spindle Travel	130 MM	130 MM	Milling Cutter Holder
Spindle Taper	MT 4 or R8	MT 4 or R8	Mill Chuck
Step of Spindle Speed	12	6	Parallel Vise
Range of Spindle Speed 50Hz	80-2080 RPM	80-1250 RPM	Machine Stand & Chip Tray
Swivel Angle of Head stock Horizontaly	360°	360°	
Perpendicularly	-	±90°	
Table Size	800x240 MM	800 x 240 MM	
Forward & Backward Travel of Table	175 MM	175 MM	OPTIONAL ACCESSORIES :
Left & Right Travel of Table	500 MM	500 MM	
Motor Power	1.50 KW	1.50 KW	Clamping Kit ( 58 Pcs. )
Net Weight / Gross Weight	283KG/333KG	318 KG / 368 KG	Rotary Table
Packing Size ( LxWxH )	1020 x 820 x 1160 MM	770 x 880 x 1160 MM	2 Axis & 3 Axis DRO

### for more Information, scroll on

**BHAXYA** 



# **Drilling & Milling Machine**



### STANDARD ACCESSORIES

2 Axis & 3 Axis DRO

STANDARD ACCESSORIES :	SPECIFICATION	ZAY/045FG	ZAT/045FG/1
Allen Wrench	Drilling Capacity	Ø 45 MM	Ø45 MM
Wedge	Face Milling Capacity	Ø80 MM	Ø80 MM
Tie Rod	End Milling Capacity	Ø32 MM	Ø32 MM
	Boring Capacity	Ø30 to Ø80 MM	Ø30 to Ø80 MM
Auto - Tapping Electrical	Tapping Capacity	Ø4 to Ø12 MM	Ø4 to Ø12 MM
Working Lamp	Distance : Spindle Nose to Table	450 MM	450 MM
Coolant System	Min. Distance : Spindle Axis to Column	260 MM	260 MM
Boring Bar	Spindle Travel	130 MM	130 MM
Drill Chuck	Spindle Taper	MT 4 or R8	MT 4 or R8
Milling Cutter Holder	Step of Spindle Speed	6	6
Mill Chuck	Range of Spindle Speed 50Hz	80-1250 RPM	80-1250 RPM
	Auto-feeding Step of Spindle	-	6
Parallel Vise	Auto-feeding Amount of Spindle		0.06 - 0.30 MM/REV.
Machine Stand & Chip Tray	Swivel Angle of Head stock Vertically	90°	90°
	Table Size	800 x 240 MM	800 x 240 MM
	Forward & Backward Travel of Table	175 MM	175 MM
OPTIONAL ACCESSORIES :	Left & Right Travel of Table	500 MM	500 MM
Clamping Kit ( 58 Pcs. )	Motor Power	1.50 KW	1.5 KW
Rotary Table	Net Weight / Gross Weight	323KG / 373KG	325KG / 375KG
-11	5 11 61 /1 11 11 1		

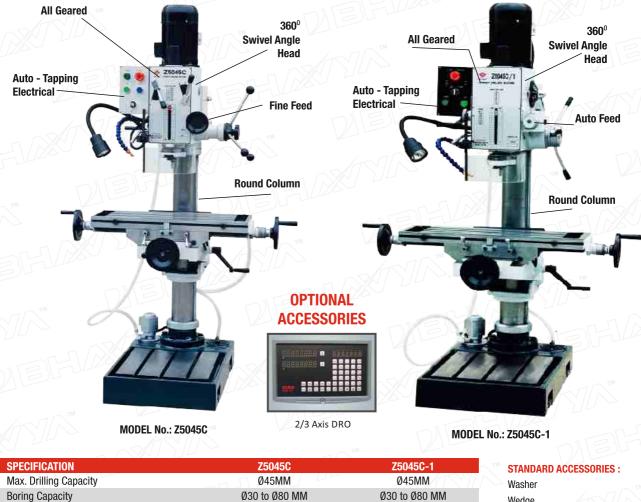
Packing Size (LxWxH)

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770 x 880 x 1160 MM

770 x 880 x 1160 MM

# **Drilling & Milling Machine**



SPECIFICATION	Z5045C	Z5045C-1
Max. Drilling Capacity	Ø45MM	Ø45MM
Boring Capacity	Ø30 to Ø80 MM	Ø30 to Ø80 MM
Tapping Capacity	Ø4 to Ø12 MM	Ø4 to Ø12 MM
Spindle Taper	MT 4 OR R8	MT 4 OR R8
Spindle Travel	130 MM	130 MM
Step of Spindle Speed	6	6
Range of Spindle Speed 50Hz	80 - 1250 RPM	80 - 1250 RPM
Step of Spindle Auto Feeding	-	6
Range of Spindle Auto Feeding Amount	ES In-ILLE	0.06-0.30mm/r
Column Diameter	115 MM	115 MM
Min. Distance : Spindle Axis to Column	290 MM	290 MM
Max. Distance : Spindle Nose to Worktable	700 MM	700 MM
Max. Distance : Spindle Nose to Stand Table	1125 MM	1125 MM
Max. Travel of Head Stock	250 MM	250 MM
Swivel Angle of Head Stock (Horizontally)	360	360
Max. Travel of Worktable Bracket	600 MM	600 MM
Worktable Size Availability	697 x 240 MM	697 x 240 MM
Swivel Angle of Table Horizontally	360°	360°
Table Leaned	±45°	±45°
Size : Stand Worktable	417 x 416 MM	417 x 416 MM
Worktable Travel (X / Y)	500 MM / 205 MM	500 MM / 205 MM
Vertical Travel of Worktable	570 MM	570 MM
Motor Power	1.5KW	1.5KW
Net Weight / Gross Weight	460 KG / 520 KG	470 KG / 530 KG
Packing Size (L x W x H)	1850 x 950 x 1000 MM	1850 x 950 x 1000 MM

Washer Wedge Tie Rod Auto - Tapping System Coolant System Working Lamp Bench Vice Milling Holder Drill Chuck & Arbur Milling Chuck ( 8Pcs ) Boring Bar

**OPTIONAL ACCESSORIES** Double Speed Motor Clamping Kit ( 58 Pcs )

for more Information, scroll on

# ВНХУХ

# **CNC LATHE**



#### SPECIFICATION CJK6130 Maximum Swing Over Bed Ø275mm Maximum Swing Over Solid Ø200mm Maximum Swing Over Slide Ø125mm Machining Length with Hydraulic Chuck 270mm Spindle Taper Hole Spindle Type Spindle Speed Range Spindle Shift Mode Main Motor Power Chuck Type Chuck Size Rapid Traverse Speed on X / Z Axis Servo Motor Torque on X / Z Axis X /Z Axis Travel Guide Way Type Turret Type Turning Tools / Boring Bar Size Tail Stock Type Tail Stock Sleeve Diameter / Travel Tail Stock Sleeve Taper Weight Dimension (L\*W\*H) 1560\*1130\*1550mm

#### STANDARD ACCESSORIES

- GSK / SIEMENS Controller system
- Manual Chuck Manual Tail stock
- Auto lubricating system
- Working lamp
- Coolant system

Ø48mm A2-5 50-3000rpm Inverter 4Kw Hydraulic Solid (Taiwan) 160mm 8 / 10m/min 4 / 6Nm 280 / 390mm Hardened Box Guide Way **4 Station Electric Tool Post** 20mm x 20mm / ø20mm Manual Tail Stock ø54 / 150mm MT4 1200 KG

# **OPTIONAL ACCESSORIES**

- Hydraulic Chuck
- Hydraulic Tail stock
- Auto lubricating system



SPECIFICATION	XK7124 / XK7124A
X Axis Travel	430 MM ( Optional : 530 MM )
Y Axis Travel	280 MM
Z Axis Travel	400 MM
Dist. Spindle nose to Table Surface	60-460 MM
Dist. Center of Spindle to Column	297 MM
T Slot (Width x Qty x Spaces)	16 MM x 3 x 60 MM
Size of Worktable ( L x W )	800 MM x 240 MM
	( Optional : 900 MM x 240 MM )
Max. loading of Workable	60 KG
Power of Spindle Motor	1.5Kw (Frequency Inverter)
Spindle Taper	BT 30
Spindle Speed	4000 R / Min.

Manually / Pneumatically Tool Clamping Way **Positioning Accuracy** 0.04 MM **Repeatability Accuracy** Feeding Speed Rapid Feeding Speed : X - Y - Z Axis 6 M / Min Feeding Motor Power : X Axis Min. Set Unit Max. Size of Tool Max. Loading Weight of Tool Net Weight ( Include Machine Stand ) 900 KG Size of packing (LxWxH)

#### STANDARD ACCESSORIES

- GSK / SIEMENS Controller system
- Manual lubricating system
- Working lamp Coolant system
- Auto lubricating system 900 x 240mm work table

1900 x 1620 x 2280 MM

0.02 MM

1/1/1KW

Ø60 x 175 MM

0.001 MM

3.5 KG

0 - 2000 MM / Min

 Parallel Vice 160mm Tool Holder

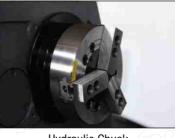
**OPTIONAL ACCESSORIES** 

# Flat Bed CNC LATHE CJK6140B & CJK6140B-HL





Square Guide Way



Hydraulic Chuck



Electric Tool Post



Automatic Lubrication



Manual Tail Stock



**Optional Gang Tool** 

# **BHXYX**

# Flat Bed CNC LATHE

# **Specifications**

Configuration	CK6140B	CK6140B/ HL
Maximum Swing Over Bed	ø400mm	ø400mm
Maximum Swing Over Slide	ø200mm	ø200mm
Maximum Machining Length with Hyd. Chuck	550mm	1000mm
Spindle Taper Hole	ø58mm	ø58mm
Max. Bar Diameter with Manual Chuck	ø58mm	ø58mm
Max. Bar Diameter with Hydraulic Hollow Chuck	ø46mm	ø46mm
Max. Bar Diameter with Hydraulic Solid Chuck	None	None
Spindle Head Type	A2-6	A2-6
Spindle Speed Range	60-1800rpm	60-1800rpm
Spindle Shift Mode	Inverter	Inverter
Main Motor Power	7.5Kw	7.5Kw
Chuck Type	Hydraulic Solid (AU	TOGRIP - Taiwan)
Chuck Size	ø250mm	ø250mm
Rapid Traverse on X Axis	5m/min	5m/min
Rapid Traverse on Z Axis	8m/min	8m/min
Servo Motor Torque on X Axis	4Nm	4Nm
Servo Motor Torque on Z Axis	6Nm	6Nm
X Axis Travel	220mm	220mm
Z Axis Travel	600mm	1100mm
Guide way Type	Hardened Box Guide way	Hardened Box Guide way
Turret Type	4 Station Electric Tool Post	+ 2 Slot Gang Tool Holder
Turret Change Time	90°/1.5-180°/2.4-270°/3.4-Sec	90°/1.5-180°/2.4-270°/3.4-Sec
Turning Tools / Boring Bar Size	25mm x 25mm / ø25mm	25mm x 25mm / ø25mm
Tail stock Type	Manual	Manual
Tail stock Sleeve Diameter / Travel	ø75/120mm	ø75/120mm
Tail Stock Sleeve Taper	MT5	MT5
Weight	1900KG	2100KG
Dimension - L*W*H	1950*1180*1560mm	2350*1180*1560mm

**CK6140B-H** Mechatronics design is suitable for a variety of machining, such as inner & outer cutting, slotting, all kinds of surface facing & threading. This Machine is widely used in massive production of car & motorcycle parts, valves, electric device & high accurate parts. Carriage with high accurate ball screw provide smooth movement & accurate positioning, highly increase the accuracy & stability.

for more Information, scroll on

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# Flat Bed CNC LATHE

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**STANDARD ACCESSORIES** 

Siemens controller, NC turret, automatic lubrication, coolant pump, semi-shield

#### **OPTIONAL ACCESSORIES**

Fanuc or other brand CNC controller, hydraulic or power turret, pneumatic or hydraulic chuck, hydraulic tailstock , full-shield

#### **CNC560 SPECIAL FEATURES**

- This model adopts double V guide-ways to ensure processing stabilities.
- Application of mid-position lead-screw installation ensure high accuracy.
- Guide-way and lead-screw adopt full protect cover to avoid chip damage

#### **FEATURES**

- One-piece bed adopts high strength iron to ensure rigidity and precision
- Ultrasonic frequency quenched guide-ways ensure good wear-resistance
- Carriage and guide-way contact surface use Turcite B to maintain accuracy

This series CNC lathe is universal standard light duty automatic machining equipment for metal processing, suitable to process small and midsize shaft and plate workpiece, with the main characters such as reliable structure, easy operating and high accuracy, this series lathe machine is mainly used for turning the internal and external cylindrical surface, conical surface and other rotating surfaces, as well as turning various type of threads etc.

Model	Specification	Unit	CNC500	CNC500	CNC500	CNC560
	Swing over bed	mm	500	500	500	560
	Swing over cross slide	mm	270	270	270	300
Capacity	Distance between centers	mm	1000/1500/2000	1000/1500/2000	1000/1500/2000	1000/1500/2000
	Guideway width	mm	400	400	400	460
	Max. load capacity	TIN	1	1	1)// 2/ 5	2
	Spindle bore	mm	82	105	160	82
	Spindle bore taper	-	Metric Ø 90/MT5		- TM	Metric Ø 90/MT5
Spindle	Spindle nose type	-	C8	-	-	C8
Spinule	Spindle speed steps	SIFE	3 steps	3 steps	3 steps	3 steps
	Spindle speed range	rpm	80-1500	80-1000	80-800	80-1500
	Chuck	mm	Ø 250 3-jaw manual	Ø 320 3-jaw manual	Ø 400 3-jaw manual	Ø 250 3-jaw manual
Turnet	Turret/tool post	-	NC turret 4 position			
Turret	Tool shank size	mm	25x25	25x25	25x25	25x25
TULZA	X axis travel	mm	270	270	270	320
Food	Z axis travel	mm	850/1350/1850	850/1350/1850	850/1350/1850	850/1350/1850
Feed	X axis rapid traverse	mm/min	4000	4000	4000	6000
	Z axis rapid traverse	mm/min	6000	6000	6000	8000
$\frown$	Tailstock quill diameter	mm	Ø 75	Ø 75	Ø 75	Ø 75
Tailstock	Tailstock quill taper	-	MT5	MT5	MT5	MT5
	Tailstock quill travel	mm	150	150	150	150
Matau	Main spindle motor	kW	7.5	7.5	7.5	7.5
Motor	Coolant pump motor	kW	0.125	0.125	0.125	0.125
Dimension	Width x Height	mm	1600 x 1600	1650 x 1700	1650 x 1700	1750 x 1850
Dimension	Length	mm	2700/3200/3700	2950/3450/3950	2950/3450/3950	3000/3500/4000
Weight	Net weight	Т	2.7/3.0/3.4	2.7/3.0/3.4	2.7/3.0/3.4	3.1/3.4/3.8

Please note : Swing diameter and bed length can customize according to real work demand, machine can choose servo motor direct driving structure turning center with C axis.

# Flat Bed CNC LATHE



#### **STANDARD ACCESSORIES**

Siemens controller, NC turret, automatic lubrication, coolant pump, semi-shield

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#### **OPTIONAL ACCESSORIES**

Fanuc or other brand CNC controller, hydraulic or power turret, pneumatic or hydraulic chuck, hydraulic tailstock , fullshield

#### **CNC LATHE INTRODUCTION**

This series CNC lathe is universal standard automatic machining equipment or metal processing, suitable to process shaft and plate workpiece, with the main characters such as reliable structure, easy operating and high accuracy, his series lathe machine is mainly used for turning the internal and external ylindrical surface, conical surface and other rotating surfaces, as well as urning various type of threads etc.

#### **FEATURES**

- One-piece bed adopts high strength iron to ensure rigidity and precision
- Ultrasonic frequency quenched guideways ensure good wear-resistance
- Carriage and guide-way contact surface use Turcite B to maintain accuracy.

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Model	Specification	Unit	CNC630	CNC800
	Swing over bed	mm	630	800
	Swing over cross slide	mm	350	520
Capacity	Distance between centers	mm	1500/2000/3000/4000/5000/6000	1500/2000/3000/4000/5000/6000
	Guideway width	mm	550	550
	Max. load capacity	TK	3	3
	Spindle bore	mm	104	104
	Spindle bore taper		Metric Ø 120/MT5	Metric Ø 120/MT5
Spindle	Spindle nose type		C11	C11
	Spindle speed steps		3 steps 4 steps	3 steps 4 steps
	Spindle speed range	rpm	20-1000 17-1000	20-800 17-800
	Chuck	mm 🖌	Ø 315 3-jaw manual	Ø 315 3-jaw manual
T	Turret/tool post	-	NC turret 4 position	NC turret 4 position
Turret	Tool shank size	mm	32 x 32	32 x 32
ME	X axis travel	mm	320	420
Food	Z axis travel	mm	1350/1850/2850	1350/1850/2850
Feed	X axis rapid traverse	mm/min	4000	4000
	Z axis rapid traverse	mm/min	6000	6000
	Tailstock quill diameter	mm	Ø 100	Ø 100
Tailstock	Tailstock quill taper	7/-	MT5	MT5
	Tailstock quill travel	mm	250	250
Matar	Main spindle motor	kW	/11	
Motor	Coolant pump motor	kW	0.125	0.125
Dimonoion	Width x Height	mm	1750 x 1850	1850 x 1900
Dimension	Length	mm	3800/4300/5300/6300/7300/8300	3800/4300/5300/6300/7300/8300
Weight	Net weight	T	3.8/4.2/4.9/5.6/7.3	4.3/4.7/5.4/6.1/6.8/7.5

Please note : Swing diameter and bed length can customize according to real work demand, machine can choose servo motor direct driving structure turning center with C axis

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# Flat Bed CNC LATHE

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**STANDARD ACCESSORIES** 

Siemens controller, NC turret, automatic lubrication, coolant pump, semi-shield

#### **OPTIONAL ACCESSORIES**

Fanuc or other brand CNC controller, hydraulic or power turret, pneumatic or hydraulic chuck, hydraulic tailstock , fullshield

#### **CNC LATHE INTRODUCTION**

This series CNC lathe is universal standard automatic machining equipment or metal processing, suitable to process shaft and plate workpiece, with the main characters such as reliable structure, easy operating and high accuracy, his series lathe machine is mainly used for turning the internal and external cylindrical surface, conical surface and other rotating surfaces, as well as turning various type of threads etc.

#### FEATURES

- One-piece bed adopts high strength iron to ensure rigidity and precision
- Ultrasonic frequency quenched guideways ensure good wear-resistance
- Carriage and guide-way contact surface use Turcite B to maintain accuracy.

Model	Specification	Unit	CNC800A		CNC1100A	
	Swing over bed	mm	800		1000	TM
	Swing over cross slide	mm	480		680	
Capacity	Distance between centers	mm	1500/2000/3000	/4000/5000/6000	1500/2000/3000/4000	0/5000/6000
	Guideway width	mm	600		600	
	Max. load capacity		4		4	
MAN	Spindle bore	mm	104		104	
	Spindle bore taper		Metric Ø 120/M	T5//	Metric Ø 120/MT5	
Spindle	Spindle nose type		C11		C11	
Spinule	Spindle speed steps		3 steps	4 steps	3 steps	HYD. 4 steps
	Spindle speed range	rpm	10-800	17-800	10-800	17-800
	Chuck	mm	Ø 400 3—jaw m	anual	Ø 400 3—jaw manual	VIMAS -
Turret	Turret/tool post	—	NC turret 4 positi	ion	NC turret 4 position	
Turret	Tool shank size	mm	> 32 x 32	TM	40 x 40	
	X axis travel	mm	420		520	
Feed	Z axis travel	mm	1250/1750/2750		1250/1750/2750	
reeu	X axis rapid traverse	mm/min	4000		4000	
TM	Z axis rapid traverse	mm/min	6000		6000	
	Tailstock quill diameter	mm	Ø 120		Ø 120	
Tailstock	Tailstock quill taper		MT6		Mt6	
	Tailstock quill travel	mm	250		250	
Motor	Main spindle motor	kW	15		15	
WIULUI	Coolant pump motor	kW	0.125		0.125	
Dimension	Width x Height	mm	1950 x 1900		1900 x 2100	
	Length	mm	4000/4500/5500	)/6500/7500/8500	4000/4500/5500/6500	0/7500/8500
Weight	Net weight	т \//	5.0/5.4/6.1/6.8/7	7.5/8.2	5.4/5.8/6.5/7.2/7.9/8.	6

Please note : Swing diameter and bed length can customize according to real work demand, machine can choose servo motor direct driving structure turning center with C axis

# Flat Bed CNC LATHE



#### **STANDARD ACCESSORIES**

Siemens controller, NC turret, automatic lubrication, coolant pump, semi-shield

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#### **OPTIONAL ACCESSORIES**

Fanuc or other brand CNC controller, hydraulic or power turret, hydraulic tailstock , full-shield

#### **FEATURES**

One-piece bed adopts high strength iron to ensure rigidity and precision Ultrasonic frequency quenched guide-ways ensure good wear-resistance Carriage and guideway contact surface use Turcite B to maintain accuracy

#### **CNC LATHE INTRODUCTION**

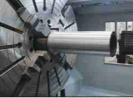
This series CNC lathe is universal standard heavy duty automatic machining equipment for metal processing, suitable to process big size shaft and plate workpiece, with the main characters such as reliable structure, easy operating and high accuracy, this series lathe machine i mainly used for turning the internal and external cylindrical surface, conical surface and other rotating surfaces, as well as turning various type of threads etc.

Model	Specification	Unit	CNC1100	CNC1250	CNC1400	CNC1600
	Swing over bed	mm	1000	1250	1400	1600
TM	Swing over cross slide	mm	610	850	1000	1200
Capacity	Distance between centers	mm	1500/3000/4000/5000/6000	1503/3003/4003/5003/6000	1500/3000/4000/5000/6000	1500/3000/4000/5000/6000
	Guideway width	mm	755	755	755	755
	Max. load capacity	Т	6	6	6	6
T	Spindle bore	mm	130	130	130	130
1315	Spindle bore taper		Metric Ø 160/MT6	Metric Ø 160/MT6	Metric Ø 160/MT6	Metric Ø160/MT6
Spindlo	Spindle nose type	_	A2-15	A2-15	A2-15	A2-15
Spindle	Spindle speed steps	_	VF. 4 steps	VF. 4 steps	VF. 4steps	VF. 4steps
$\frac{1}{2}$	Spindle speed range	rpm	4-300	4-300	4-300	4-300
1 210	Chuck	mm	Ø 1000 4—jaw	manual	Ø 1000 4—jaw ma	anual
Turnet	Turret/tool post		NC turret 4 posit	ion	NC turret 4 position	
Turret	Tool shank size	mm	40 x 40	> 40 x 40	40 x 40	40 x 40
DIFE	X axis travel	mm	520	620	720	720
	Z axis travel	mm	1350/2850/3850/4850/5850	1350/2850/3850/4850/5850	1350/2850/3850/4850/5850	1350/2850/3850/4850/5850
Feed	X axis rapid traverse	mm/min	4000	4000	4000	4000
1-1	Z axis rapid traverse	mm/min	6000	6000	6000	6000
S/IN	Tailstock quill diameter	mm	Ø 160	Ø 160	Ø 160	Ø 160
Tailstock	Talstock quill taper	~4/A	MT6	MT6	MT6	Mt6
	Tailstock quill travel	mm	300	300	300	300
Matan	Main spindle motor	kW	22	22	22	22
Motor	Coolant pump motor	kW	0.125/0.37	0.125/0.37	0.125/0.37	0.125/0.37
Dimension	Width x Height	mm	2100 x 2100	2250 x 2300	2350 x 2450	2350 x 2600
Dimension	Length	mm	5000/6500/7500/8500/9500	5000/6500/7500/8500/9500	5000/6500/7500/8500/9500	5000/6500
Weight	Net weight	Т	10.0/11.5/12.5/13.5/14.5	11.0/12.5/13.5/14.5/15.5	12.0/13.5/14.5/15.5/16.5	13.0/14.5/15.5/16.5/17.5

Please note: machine bed length of heavy duty cnc lathe can customize according to real work demand.

www.bhavyamachinetools.com







Specifications are subject to changed without prior no	ice.
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# Hacksaw Machine

Hydraulic Hacksaw

Motor (1440 RPM)

**HACKSAV** 



MODEL	BFH-8	BFH-10	BFH-12
Cutting Round	200	250	300
Capacity Square	150	200	250
No. of stroke Per min	100-125	100-125	85-100
Blade Size (mm)	400x32	450x32	500x38
Approx Weight (Kg)	350	450	600
		4.5.110	
Motor (1440 RPM)	1 HP	1.5 HP	2 HP
Hydraulic Hacksaw		DIE	
Hydraulic Hacksaw MODEL	1 HP BFH-16 400	1.5 HP BFH-20 500	BFH-24
Hydraulic Hacksaw MODEL	BFH-16	BFH-20	BFH-24
Hydraulic Hacksaw MODEL Cutting Round	<b>BFH-16</b> 400	<b>BFH-20</b> 500	<b>BFH-24</b> 600
Hydraulic Hacksaw MODEL Cutting Round Capacity Square	<b>BFH-16</b> 400 325	BFH-20 500 350	<b>BFH-24</b> 600 425



3 HP

5 HP

	Semi-Hydraulic	Mechanical
MODEL	BSH-7	BMH-7
Cutting Round	165	150
Capacity Square	150	125
No. of stroke Per min	65	80
Blade Size (mm	350	350
Approx Weight (Kg)	300	150
Motor (1440 RPM)	1 HP	1 HP

Model : BMH-7 Mechanical

for more Information, scroll on

5 HP



# **Horizontal Metal Cutting Bandsaw**

# Perfection in cutting Technology

Sizes available 175 to 400 mm







MODEL		BMB-1	BMB-1HS	BMB-10HS	BMB-2HS	BMB-3HS	BMB-4HS
CAPACITY		175mm	200mm	250mm	300mm	350mm	400mm
Round	mm	175mm	200mm	250mm	300mm	350mm	400mm
Square	mm	150 x 150	150 x 150	200 x 200	250 x 250	300 x 300	350 x 350
DRIVE							
Drive Motor	HP / RPM	0.5 / 1440	1 / 1440	1.5 / 1440	2 / 1000	2 / 1440	3 / 1000
Coolant Pump	HP / Volts	0.15 / 440	0.15 / 440	0.15 / 440	0.15 / 440	0.15 / 440	0.15 / 440
Blade Speed	Meter / Minute	35 / 55 / 75	20 / 35 / 55 / 75	35 / 55 / 75	35 / 55 / 75	35 / 55 / 75	35 / 55 / 75
OTHER							
Bandsaw Blade	mm	2515 x 19 x 0.9	3000 x 27 x 0.9	3300 x 27 x 0.9	3760 x 27 x 0.9	4100 x 27 x 0.9	4420 x 34 x 1.1
Guide Pulley dia	mm	340	410	425	496	496	550
Floor Space LxWxH	mm	1500 x 570 x 870	1800 x 700 x 950	2000 x 600 x 900	2150 x 800 x 1100	2500 x 840 x 1100	2650 x 830 x 1200
Net Weight	Kg.	272	322	400	761	821	900

for more Information, scroll on

U A Z D S A V



# Horizontal Swing-Arm Metal Cutting Bandsaw

Vertical force controlled through hydraulic cylinder

BS1018B

| Degree vice for 45° Cutting

**BS712N** 

The Bow can be swiveled both side between 45° & 90°

BS912GR

MODEL	BS-712N	BS-712GR	BS-912B	BS-912GR	BS-1018B
Capacity Round @ 90°	Ø178mm	Ø178mm	Ø229mm	Ø229mm	Ø254mm
Capacity Rectangular @ 90°	178 X 305mm	178 X 210mm	178 X 305mm	178 X 305mm	127 X 457mm
Capacity Round @ 45°	Ø127mm	Ø127mm	Ø150mm	Ø150mm	Ø150mm
Capacity Rectangular @ 45°	120 X 125mm	85 X 140mm	127 X 150mm	127 X 150mm	150 X 190mm
Blade Size	2362 x 19 x 0.9mm	2362 x 19 x 0.9mm	2655 x 27 x 0.9mm	2655 x 27 x 0.9mm	3280 x 27 x 0.9mm
Blade Speed	22,33,45,65m/min.	39,66,82m/min.	39,66,82m/min.	31,65,95m/min.	29,50,73,95m/min.
Drive	V-Belt	Gear	V-Belt	Gear	V-Belt
Job Clamping Type	Manual	Manual	Manual	Manual	Manual
Main Motor Power	1.5HP	1.0HP	1.5HP	1.5HP	2.0HP
Packing Dimension	1250x510x1150mm	1320x770x1150mm	1540x590x1150mm	1600x600x1150mm	1830x830x1150mm
Net/Gross Weight	145/178Kgs.	175/197Kgs.	230/260Kgs.	220/260Kgs.	310/385Kgs.



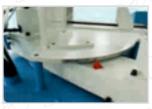
# **Horizontal Bandsaw**

**Double Column Semi Automatic (Degree Cutting)** 

CE



Swivel bow with precision guide



Swivel angle indicator



Hydraulic clamping vise

#### **Salient Features:**

- Stress Relieved Fabricated Steel Structure
- Hard Chrome Plated Ground Column
- Automatic Height Adjustment for Saw Frame
- Variable Pressure Control for Cutting Feed
- Auto Cutting Stop
- Push Button Type Operating Panel Board
- Heavy Duty Worm Gear Box
- Moveable Blade Support Guide
- Manual Blade Tensioning Arrangement
- Material Feeding Manually

#### **Standard Accessories:**

- Saw Blade
- Coolant Systems
- Machine Lamp
- Blade Tensioning Wrench
- Adjustable Bar Support Stand
- Tool Kit
- Operating & Instruction Manual

Model No			TBK4228A	TBK4235A	TBK4240A
	Circular	@90°	280mm	350mm	460mm
	Rectangular	@90°	320x280mm	380x350mm	650X350mm
	Square	@90°	280mm	350mm	400mm
	Circular	@45°	200mm	245mm	300mm
Capacity	Rectangular	@45°	280x240mm	245x350mm	400x300mm
	Square	@45°	200mm	245mm	300mm
	Circular	@30°	240mm	300mm	330mm
	Rectangular	@30°	280x240mm	300x350mm	400x330mm
	Square	@30°	240mm	300mm	330mm
Linear Spe	eed		27,45,69 M/min.	27,45,69 M/min.	27,45,69 M/min.
Blade Size			3850x27x0.9	4535x27x0.9mm	5050x41x1.3
Main Moto	or Power		3kW	3kw	5.5kW
Hydraulic	motor power		0.55kW	0.55kW	1.5kW
Cooling pu	ump power		0.04kW	0.04kW	0.125kW
Packing s	ize		190×140×150cm	210x150x160cm	240×180×185cm
N.W/G.W.			820kg	950kg	1800kg
1	1 Alexandre				

#### Model : TBK-4228A

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# Horizontal Bandsaw Double Column Semi Automatic

## Salient Features:

- Stress Relieved Fabricated Steel Structure
- Hard Chrome Plated Ground Column
- Automatic Height Adjustment for Saw Frame
- · Variable Pressure Control for Cutting Feed
- Auto Cutting Stop
- Push Button Type Operating Panel Board
- Heavy Duty Worm Gear Box
- Moveable Blade Support Guide
- Manual Blade Tensioning Arrangement
- Material Feeding Manually

#### Standard Accessories:

- Saw Blade
- Coolant Systems
- Machine Lamp
- Blade Tensioning Wrench
- Adjustable Bar Support Stand
- Tool Kit
- Operating & Instruction Manual

	Model	BDH-200A	BDH-280A	BDH-350A	BDH-400A	BDH-500A
	Cutting Capacity Round	200mm	280mm	350mm	400mm	500mm
Ń	Cutting Capacity Square	200 x 200mm	280 x 280mm	350 x 350mm	400 x 400mm	500 x 500mm
	Blade Size	2800 x 27 x 0.9mm	3480 x 34 x 1.1mm	4140 x 34 x 1.1mm	5000 x 41 x 1.3mm	5800 x 41 x 1.3mm
	Blade Speed	27, 45, 69m/min.	27, 45, 69m/min.	27,45, 69m/min.	27, 45, 69m/min.	27, 45, 69m/min.
	Clamping Type	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
3	Main Motor Power	1.5kW	2.2kW	3.0kW	4kW	5.5kW
	Hydraulic Motor Power	0.55kW	0.55KW	0.55kW	0.75kW	0.75kW
	Coolant Motor	0.04kW	0.04 kW	0.04kW	0.125kw	0.125kw
	Power Supply	415V-50Hz-3Phase	415V-50Hz-3Phase	415V-50Hz-3Phase	415V-50Hz-3Phase	415V-50Hz-3Phase
7	Overall Dimension	1400 x 900 x 1100mm	1860 x 1000 x 1400mm	2000 x 1100 x 1500mm	2500 x 1300 x 1600mm	2800 x 1300 x 2000mm

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for more Information, scroll on

# Horizontal Bandsaw Double Column Semi Automatic

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#### Salient Features:

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- Stress Relieved Fabricated Steel Structure
- Hard Chrome Plated Ground Column
- Automatic Height Adjustment for Saw Frame
- Variable Pressure Control for Cutting Feed
- Auto Cutting Stop
- Push Button Type Operating Panel Board
- Heavy Duty Worm Gear Box
- Moveable Blade Support Guide
- Manual Blade Tensioning Arrangement
- Material Feeding Manually

#### Standard Accessories:

- Saw Blade
- Coolant Systems
- Machine Lamp
- Blade Tensioning Wrench
- · Adjustable Bar Support Stand
- Tool Kit
- Operating & Instruction Manual

	Model	BDH-600A	BDH-700A	BDH-800A	BDH-1000A
	Cutting Capacity Round	600mm	700mm	800mm	1000mm
	Cutting Capacity Square	600 x600mm	700 x 700mm	800 x 800mm	1000 x 1000mm
	Blade Size	6640 x 41 x 1.3mm	7205 x 54 x 1.6mm	8820x 67 x 1.6mm	9820 x 67 x 1.6mm
	Blade Speed	27, 45, 69m/min.	27, 45, 69m/min.	27, 45, 69m/min.	15 – 60m/min.
	Clamping Type	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Main Motor Power	5.5kW	5.5kW	7.5kW	11kW
	Hydraulic Motor Power	1.1 kW	1.1kW	2.2kW	3.75kW
	Coolant Motor Power	0.125kw	0.125kW	0.125kW	0.09kW
	Power Supply	415V - 50Hz - 3Phase			
	Overall Dimension	3150 x 1300 x 2100mm	3500 x 1800 x 2500mm	4130 x 2150 x 2500mm	4560 x 2170 x 3040mm

**BANDSAN** 

**BHAXYA** 

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All Precision Machines Under One Roof

# Horizontal Bandsaw Double Column Fully Automatic

#### Optional Attachment 3 Clamping Device



#### Optional Attachment Electric Feed Rack



#### Salient Features:

- Stress Relieved Fabricated Steel Structure
- Hard Chrome Plated Ground Column
- Automatic Height Adjustment for Saw Frame
- Variable Pressure Control for Cutting Feed
- Auto Cutting Stop
- Push Button Type Operating Panel Board
- Heavy Duty Worm Gear Box
- Moveable Blade Support Guide
- Manual Blade Tensioning Arrangement
- Material Feeding Manually
- Sawing mode changes, flexible, manual & automatic Combined
- PLC controller complete automatic sawing process

#### Standard Accessories:

- Saw Blade
- Coolant Systems
- Machine Lamp
- Blade Tensioning Wrench
- Adjustable Bar Support Stand
- Tool Kit
- Operating & Instruction Manual

Model	BDH280P	BDH350P	BDH400P
Cutting Capacity Round	280mm	350mm	400mm
Cutting Capacity Square	280 x 280mm	350 x 350mm	400 x 400mm
Blade Size	3505 x 27 x 0.9mm	4115 x 34 x 1.1mm	5000 x 41 x 1.3mm
Blade Speed	27, 45, 69m/min.	27, 45, 69m/min.	27, 45, 69m/min.
Clamping Type	Hydraulic	Hydraulic	Hydraulic
Material Feeding	Automatic (0-500mm)	Automatic (0-500mm)	Automatic (0-500mm)
Main Motor Power	3.0kW	4.0kW	4.0kW
Hydraulic Motor Power	0.75kW	0.75kW	0.75kW
Coolant Motor	0.04kW	0.04kW	0.125kW
Power Supply	415V - 50Hz - 3Phase	415V - 50Hz - 3Phase	415V - 50Hz - 3Phase
Overall Dimension	1860 x 2400 x 1400mm	2000 x 2500 x 1500mm	2500 x 2500 x 1600mm

for more Information, scroll on

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**BANDSAW** 



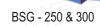
# **Cylindrical Grinding Machine**

# Manual & Hydraulic

Model	BMTU/300/130H	BMTU/600/125H	BMTU/800/125H	BMTU/1000/150H	BMTU/1250/180H	BMTU/1500/180H
Center Height	130mm	150mm	150mm	150mm	180mm	180mm
Distance Between center	300mm	600mm	800mm	1000mm	1250mm	1500mm
Maximum Swivel of Table	±6°	±6°	±6°	±6° m	±6°	±6°
Table Speed Infinitely variable	0.1-0.5m/min	0.1-0.5m/min	0.1-0.5m/min	0.1-0.5m/min	0.1-0.5m/min	0.1-0.5m/min
Grinding Wheel ( D x W x B)	350 x 40 x 127mm	400 x 40 x 127mm				
Wheel head rapid approach	50mm	50mm	50mm	50mm	50mm	50mm
Wheel head swivel	±60°	±60°	±60°	±60°	±60°	±60°
Grinding Wheel Speed	1900-2100rpm	1900-2100rpm	1900-2100rpm	1900-2100rpm	1900-2100rpm	1900-2100rpm
Manual Feed Resolution	0.005mm	0.005mm	0.005mm	0.005mm	0.005mm	0.005mm
No of Work Head Speed	25-600rpm	25-600rpm	25-600rpm	25-350rpm	25-350rpm	25-350rpm
Work Head Swivel	±90°	±90°	±90°	±90°	±90°	±90°
Work head center	MT-3	MT-4	MT-4	MT-4	MT-4	MT-4
Tail Stock Center	MT-3	MT-4	MT-4	MT-4	MT-4	MT-4
Internal Grinding spindle	60 x 250 x 18000rpm					
Work head motor	0.5 HP	1.0 HP	1.0 HP	1.0HP	1.0 HP	1.5 HP
Wheel Head Motor	2.0 HP	3.0 HP	3.0 HP	3.0 HP	5.0 HP	5.0 HP
Coolant pump	0.1HP	0.1 HP	0.1 HP	0.1HP	0.16 HP	0.16 HP
Internal Grinding Spindle Motor	1.0 HP					
Hydraulic Motor	1.0 HP					
Total Hp	4.6 HP	6.1 HP	6.1 HP	6.1 HP	8.16 HP	8.56 HP

**Ideal for Educational** Institute

# **Manual Surface Grinder**



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- Vibration-free and noiseless working.
- Precised engineering and simple easily accessible controls mean time saving and accurate operation.
- The Grinding Accuracy on the machine is Guranteed and controls of the machine are within the easy reach of the operator.









Upper & Lower Side of OIL TYPE

Uppe	r & Lo	wer	Sic
of	BALL	TYF	PE

Model	BSG-175	BSG-225	BSG-250	BSG-300
Working Surface	175 x 350	225 x 450	250 x 500	300 x 600
of the Table (mm)				
Magn. Chuck size	150 x 300	200 x 450	200 x 500	250 x 500
Max. height from	250mm	275mm	300mm	300mm
table to Grind. Wheel				
Vertical Feed Gradu.	0.01	0.01	0.002	0.002
Cross Feed Gradu.	0.05	0.05	0.05	0.05
Size of Grinding Wheel (mm	1)175x13x31.75	200x13x31.75	200x13x31.75	200x13x31.75
Spindle Speed RPM	2800	2800	2800	2800
Main Motor Power	0.75HP	1HP	2HP	2HP
1 10				5011-

for more Information, scroll on



# **Manual Surface Grinder**



#### HSG4515 Model No Size of Work Table (L x W x H) 450 x 152 x 280mm Longitudinal table travel 470mm Cross Table Travel 178mm Max. Distance From the Spindle to the 370mm Work Table Surface Safety Load of Bench ( in Max.) 80 Kg T. Slot 1 x 12 Main Motor Power 1.1 Kw Spindle Speed 2800 r/min Abrasive Wheel Dim (Dxdxw) 180 x 13 x 32 mm Overall Dimensions (L x W x H) 1100 x 1180 x 1950 mm Net Weight/Gross Weight 650/800kgs

#### Standard Accessories

- Permanent magnetic chuck
- Machine Lamp
- One Shot Lubrication System
- Coolant System
- Tool boxOperation manual

Model No	HSG4523	HSG5025	HSG6030
Grinding Capacity (LxWxH)	450 x 230 x 330mm	500 x 250 x 330mm	600 x 300 x 300mm
Longitudinal Table Travel	500mm	520mm	620mm
Cross Table Travel	250mm	270mm	325mm
Max. Distance from the spindle			
to the work table surface	430mm	430mm	400mm
Safety Load of Bench	100kgs	100kgs	150kgs
Table Size	450 x 230mm	500 x 250mm	600 x 300mm
T. Slot	1 x 12	1 x 12	1 x 14
Cross hand wheel per Graduation	0.02mm	0.02mm	0.02mm
Cross hand wheel per Revolution	3mm	3mm	3mm
Grinding Wheel size ( D x W x T )	200 x 16 x 31.75mm	200 x 16 x 31.75mm	200 x 16 x 31.75mm
Spindle Speed	2850r/min	2850r/min	2800r/min
Max Movement of vertical mechanism	430mm	430mm	400mm
Vertical Fine Adjustment Revolution	0.15mm	0.15mm	0.15
Vertical Fine Adjustment Graduation	0.002mm	0.002mm	0.002mm
Spindle Motor	1.1kw	1.1kw	1.5Kw
Lifting Motor	0.12 kW	0.12 kW	0.12 kW
Coolant Motor	0.04 kW	0.04 kW	0.04 kW
Overall Dimensions	1150x1040x1900mm	1260x1190x1660mm	1870x1200x1840mm
Net Weight/Gross Weight	900/1000kgs	1100/1200kgs	1700 /2000kgs

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# **Hydraulic Surface Grinder**



#### OPTIONAL ACCESSORIES



2/3 Axis DRO

Model No	HSG4523A+	HSG5025A+	HSG6030A+	HSG8040A+	HSG10040A+
Grinding Capacity: LXWXH	450 x 230 x 330mm	500x250x330mm	600x300x300mm	800x400x405mm	1000x400x430mm
Longitudinal table travel	500mm	520mm	620mm	820mm	1020mm
Cross table travel	250mm	275mm	325mm	440mm	440mm
Max. Distance from the spindle Centre					
to the work table surface	430mm	410mm	400mm	580mm	580mm
Safety load of bench (in Max)	100kgs	100 Kg	150 Kg	400Kg	400 Kg
Table size	450 x 230mm	500x250mm	600x300mm	800x400mm	1000x400mm
T-slot	12 x 1mm x no.	12 x 1mm	14 x 1mm	18 x 3mm	18 x 3mm
Bench speed	3-23 m/min	3-23 m/min	3-23 m/min	0-26 m/min	0-26 m/min
Cross auto feed	0.6-10 mm/div	0.6-10 mm/div	0.6-10 mm/div	0.5-20mm/div	0.5-20mm/div
Cross rapid feed	144	1.44m/min.	<u> </u>	n DSR/ V	
Cross hand wheel per Graduation	0.002	0.02 mm	0.02 mm	0.02 mm	0.02 mm
Cross hand wheel per Revolution	0.15mm	3 mm	3 mm	4 mm	4 mm
Grinding Wheel size (DXWXd)	200 x16 32mm	200 x 16 x 31.75mm	200 x 16 x 32mm	350 x 32 x 127mm	350 x 32 x 127mm
Spindle Speed	2850r/min	2850r/min	2850r/min	1450r/min	1450r/min
Max. Movement of Vertical Mechanism	430mm	410mm	400mm	-	-
Vertical fine adjustment Revolution	0.15mm	0.15mm	0.15mm	0.04mm	0.04mm
Vertical per fine adjustment Graduation	0.002	0.002mm	0.002mm	0.001mm	0.001mm
Spindle motor	1.1Kw	1.1Kw	1.5Kw	5.5Kw	5.5Kw
Overall Dimensions (LXWXH)	1500 x 1180 x 1800mm	1550x1180x1840mm	1870x1200x1840mm	2260x1790x1917mm	2660x1790x1917mr
Net Weight /Gross Weight	1300/1500	1400/1600kgs	1700/2000kgs	3000/3300kgs	3800/4200kgs



# **Hydraulic Surface Grinder**





2/3 Axis DRO

#### **SAILENT FEATURES :**

Heavy Duty Machine Structure & Table Movement Design

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- The accuracy of this machine is 0.005mm and it can meet the routine machining job requirement.
- The worktable longitudinal movement is driven by the vane pump, so that to make the movement stable and fluently with low noise.
- The wheel head adopts the bearing bush structure, so that to handle the heavy duty machining job.
- The machine gets the hydraulic auto feed and manual feed in cross feed unit, which is very convenient for operation.
- The wheel head vertical movement is controlled manually, it also equips with the rapid elevating unit to improve the working efficiency.
- The machine not only works stable and performance reliable, but also gets the advantages of low noise, accuracy stable and easy operation.

SPECIFICATION	HSG12550	HSG16050	HSG12560	HSG16060
Size Of Worktable(L×W×H)	1250×500mm	1600×500mm	2 21250×600mm	1600×600mm
Longitudinal Movement Of Worktable	1350mm	1700mm	1350mm	1700mm
Distance From Spindle to Worktable	680mm	800mm	800mm	800mm
Max. Cross Travel Of Grinding Head	550mm	580mm	650mm	650mm
Max. Vertical Travel Of Grinding Head	600mm	600mm	600mm	600mm
Vertical Movement Of Grinding Head	0.01/1mm	0.01/1mm	0.01/1mm	0.01/1mm
Rapid Lifting MotorPower	0.37kW	0.37kE	0.37kW	0.37kW
Abrasive Wheel Dim(0D×ID×W)	400x127x40mm	400×203×50mm	400×203×50mm	400×203×50mm
Speed Of Grinding Wheel	1440rpm	1440rpm	1440rpm	1440rpm
Total Power Of Motor	12kW	12kW	14kW	14kW
Power Of Spindle Motor	7.5kW	7.5kW	7.5kW	7.5kW
Power Of Oil Pump Motor	4kW	5.5kW	5.5kW	5.5kW
Processing Accuracy	0.015/1000mm	0.015/1000mm	0.015/1000mm	0.015/1000mm
Surface Roughness	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm
Net/Gross Weight	5300/6000Kg.	6000/6900Kg.	5600/6300Kg.	6500/7300Kg.
Dimensions (LXWXH)	3800X2700X2800mm	4500X2700X2800mm	3800X2700X2800mm	4500X2700X2800mm

Standard accessories : Diamond Dresser Base, Wheel Exactor, Balancing Stand & Arbor, Foundation Bolts And Wedges, Brush, Electric Magnetic Chuck, Tool kit

Optional accessories : Wheel Balancing Stand, Diamond Dresser, Demagnetizer,

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# EDGECUT Hydraulic Surface Grinder SERIES (with DRO)



BHAVYA

for more Information, scroll on

# Universal Tool & Cutter Grinding Machine

**Functional Versatility** : "The grinding machine basically designed for sharpening and recondition wide range of high speed and carbide tipped tolls as side & face milling cutters, cylindrical cutters, angle cutters, convex & concave cutters, gear hobs, end mills, shell mills \reamers, drills, taps etc."

**Construction :** "Wheel Head: It is of rigid construction and holds the spindle assembly. It can be fitted horizontally and swiveled vertically full 360 degree, for quick setting of compound angles. Wheel head is mounted on the rigid column, which can be raised/lowered up/down. Wheel head also can be adjusted 150 mm on cross direction."

"Wheel Head Spindle: Alloy steel hardened and ground spindle is mounted on precision preloaded radial ball bearings, which are greased packed. The grinding wheels can be mount ed on both sides of the spindle and the wheels mount design is such that the spindle can be reversed."

"Work Table: This is mounted on the carriage and can be swiveled 45 degrees on either side of the column. This table has a smoother and rapid movement longitudinally on the carriage through a roller chain guided and supported in jibs. Slow movement is through a reduction gearbox. Change over from rapid to slow movement is through a push/pull knob. The precise movement on roller chain enables smooth, sensitive and accurate longitudinal movement even with heavy jobs. The adjustable reversing dogs on the work table are spring loaded for shockproof reversal of table."

Auxilliary Table: This table is mounted on work table and in both horizontal and vertical planes. It can hold job up to 600 mm with the aid of raising blocks. It's spindle nose has ISO 50/MT 5 tapers and the spindle is mounted to taper roller bearings.

### **TECHNICAL SPECIFICATIONS**

	Specifications		250 TM	250 T	280 T
	Max. swing on std. center	mm	250	250	280
	Swing with raising blocks	mm	350	350	380
	Length between work head				
	And RH tail stock	mm	330	520	610
	Admit between centers	mm 🏹	440	670	760
	Max. height center of wheel				
	Above table	mm	300	300	380
	Longitudinal traverse	mm	400	480	510
	Cross traverse	mm	200	250	250
	Swivel either side of centre(End scale)	deg.	-	9	9
	Swivel LH/RH of column (Center scale)	deg.	45°/ 45°	45 <sup>°</sup> / 45 <sup>°</sup>	45°/ 45°
	Size of table	mm	750x115	920x140	1010x140
	Vertical adjustment of wheel head	mm	210	<sup>TM</sup> 210	290
	Wheel Head Swivel	deg.	3600	3600	3600
	Tilting in either direction	deg.	180 ±	180 ±	180 ±
	Spindle speed	rpm	3800/5600	3800/5600	3800/5600
Э	Motor power	KW/HP	0.75/1	0.75/1	0.75/1
	Net weight of the machine	kg.	750	1150	1250
	Gross weight of the machine	kg.	900	1350	1450
	Dimension of Machine (L x W x H)	mm	1075 x 1100 x 1400	1325 x 1170 x 1460	1325 x 1170 x 1460

#### Special Accessories :

Cylindrical external grinding attachment Cylindrical internal grinding attachment A) swivel vice B) 2-way & 3-way swivel vice "Face, milling cutter grinding attachment" Radius grinding attachments Long reamer grinding attachment Gear milling cutter grinding attachment Angular wheel dressing attachment Hob grinding attachment Hob grinding attachment Dust exhausting unit Static wheel balancing unit Collapsible bellows for column

#### Standard Equipment :

Universal cutter head with Mt-3 adopter sleeves "Right hand, quick acting spring loaded center tail stock" Left hand center tail stock Diamond holder (excluding) Plain tooth rest and extension with one blade Universal tooth rest and extension and micro adjustment to blade Center height gauge Center with morse taper no. 3 Wheel guards with guard holder - 3 nos Grounding wheels - 3 nos All necessary spanners and wrenches Suitable electricals Maintenance and instructions manual

**Other Extra Requirements:** 

\* Collet Attachment & Collets \* 4" Self Centering Chuck \* Positive Indexing Attachment

\* Extension Piece for Internal Grinding Spindle \* Cutter Arbors \* Wheel Flanges

\* Dressing Diamond \* Machine Lamp with Transformer



# **Centerless Grinder**





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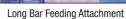
Oil Circulating Unit



- **STANDARD ACCESSORIES**
- Electric Control Panel.
- Coolant tank with pump.
  Grinding & Control wheel fitted with flange.
- Standard work rest blade.
- Diamond dressing holder with diamond.
- Grinding wheel flange puller.Wheel flange nut's spanner.
- DESIGN : designed to grind cylindrical parts at high production rates and close tolerances straight shoulders & taper parts can be ground with ecual ease suitable for hardened and unhardened steel, Brass, copper, aluminium, or any other materials.
- BED : A single block of cast iron with a proper brinell hardness greater material thickness and heavier rib design provide maximum rigidity for greater strength providing for vibration absorption even while the machine is utilized to its fullest extent
- GRINDING WHEEL HEAD: The grinding wheel spindle is made of hardened and ground nickle chrome alloy steel. It runs in oil chamber on Taper roller bearing or on bush as required. They are sturdy and strong enough to permit heavy duty grinding at high speeds and assure superior surface finish & accuracy.



**Profile Truing Device** 





**Grinding Process** 

Model	SL-75	SL-100	SL-150
Grinding Range Diameter	2-75mm	2-100mm	5-150mm
Grinding Wheel Size (OD X W X ID)	350x100x127mm	350x150x127mm	500x200x304.8mm
Regulating Wheel Size (OD X W X ID)	225x100x76.2mm	225x150x76.2mm	300x200x127mm
Max. Length in In Feed Grinding	100mm	150mm	200mm
Max. Length in Through Feed Grinding	300mm	250mm	200mm
Grinding Wheel Speed	1800rpm	1800rpm	1200rpm
Regulating Wheel Speed	20-40-60 R.P.M.	20-40-60 R.P.M.	Infinitely Variable
Grinding Wheel Motor	5 HP	7.5 HP	20 HP
Regulating Wheel Motor	1 HP	1 HP	3 HP
Coolant Pump Motor	0.15 HP	0.15 HP	0.50 HP
Hydraulic Power Pack(Dressing)	0.5 HP	0.5 HP	0.5 HP
Regulating Wheel Angle Tilting	5 degree	5 degree	5 degree
Upper Slide Swiveling	3 degree	3 degree	3 degree
Approx. Weight	1800kg.	2000kg.	4500kg.
Approx. Dimensions (LxWxH)	1850x1100x1600mm	1850x1100x1600mm	2500x1700x1650m

for more Information, scroll on

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# ВНХУХ™

# **All Geared Milling Machine**



Universal / Horizontal Milling

**Vertical Milling** 

#### STANDARD ACCESSORIES:

Electric Motor With Control Gear, All Axis Rapid & Power Feed, Milling Arbor, Coolant system, Machine lamp, Set of requisite tools, Instruction & spare parts manual

#### EXTRAACCESSORIES:

Universal Dividing Head of Size : 135 mm, Face Milling Cutter Size : 125 mm, without Index able Inserts with suitable Arbor (ISO 40), Anti Vibration Mount, 3 Axis DRO, Rotary Table Size : 300 mm, Swivel Machine Vice, Collets Chuck (ISO 40), Stub Arbor Size : 16, Or 22 Or 27 Or 32 mm, Slotting Attachment, Vertical Head with Quill Traverse (For U & H Models), Conical Type Collet, Vertical Attachment (For U & H Models), Vertical Head Mounting Attachment on Column (For U & H Models), Rack Cutting Attachment (For U & H Models), Milling Arbor (Additional) 22 Or 27 Or 32 mm Each

	MODEL		SV / SU / SH -2	SV / SU / SH -3	SV / SU / SH -4
Table	Table Overall Size	MM	1340 x 250	1600 x 300	2000 x 350
	Table Clamping Area	MM	975 x 250	1200 x 300	1600 x 350
	No./Width of 'T' Slots	MM	3 / 14	3 / 16	3 / 18
	Center Distance Between 'T' Slots	MM	63	63	80
	Longitudinal Movement - Power	MM	675	975	1275
	Longitudinal Movement - Manual	MM	700	1000	1300
	Cross Traverse - Power	MM	230	290	330
	Cross Traverse - Manual	Mm	250	300	350
	Vertical Movement - Power	MM	375	400	400
	Vertical Movement - Manual	MM	400	425	420
Spindle	Spindle Nose Taper		ISO - 40	ISO - 40	ISO - 50
	Quill Movement (vertical)	Mm	70	100	100
	Swivel of Milling Head (vertical)	DEGREE	45	45	45
Speed	Steps		12	18	18
	Speed Range - Standard	R.P.M.	35 - 1500	42 - 1500	42 - 1500
	Speed Range - Optional	R.P.M.	45 - 2000		NA NJU
eed	Steps		9	18	18
	Feed Range Longitudinal & Cross	MM / MM	20 - 800	16 - 800	16 - 800
	Feed Range Vertical	MM / MM	10 - 400	4 - 200	4 - 200
Rapid	Longitudinal & Cross	MM / MIN	1000	3200	3200
Fraverse	Vertical	MM / MIN	500	800	800
Power	Spindle Motor	KW / H.P.	3.7/5	5.5 / 7.5	7.5 / 10
	Feed Motor	KW / H.P.	1.5/2	1.5/2	2.25/3
Size	Overall Size (Vertical)	MM	1650 x 1625 x 2030	1880 x 2060 x 2210	2340 x 2310 x 2340
	Overall Size (Universal)	MM	1650 x 1625 x 1680	1880 x 2060 x 1830	2340 x 2310 x 1855
Neight	Net Approx.	KG.	1600	3150	4200
	Gross Approx.	KG.	2000	4000	5000

# **Vertical & Universal Knee Type Milling Machine**

# EVM1332

Vertical Milling with Swivel Table

EVM1336 1370 X 360mm 3-18-80mm 300kg 920mm (Manual) 300mm 310mm 100-410mm

ISO-50 12 60-1700rpm 70mm  $\pm 30^{\circ}$ 8/22-555mm/min. 400mm/min. 1200mm/min. 400mm/min. 4kw 0 75kw 1.1kw

2020X1820X1880mm

	PARTICULARS	EVM13
	Table Size	1370 X 3
	Number/Width/Distance of T-Slot	3-18-80r
	Max. Load on Table	300kg
	Longitudinal Travel - X Axis	920mm
	Cross Travel - Y Axis	300mm
	Vertical Travel - Z Axis	310mm
	Dist. from Spindle to Table Surface	100-410
	Dist. From Spindle Axis to Vertical Guideway	370mm
	Spindle Taper	ISO-50
	Number of Spindle Speed	12
	Range Spindle Speed	60-1700
	Spindle Quill Travel	70mm
	Max. Swivel Angle of Milling Head	$\pm 30^{\circ}$
	Feed Range - Longitudinal & Cross	8/22-555
	Feed Range - Vertical	400mm/
	Rapid Speed - Longitudinal & Cross	1200mm
	Rapid Speed - Vertical	400mm/
	Motor Power	4kw
	Feed Motor Power for X & Y - Axis	0.75kw
	Elevating Motor Power for Knee	1.1kw
	Dimension (Approx.) (L x W x H)	2020X18
	Weight (Approx.)	2300Kg.
f		1 1 5 5/7

#### **STANDARD ACCESSORIES:**

Draw Bar, Coolant System, Swivel, MIII Chuck, Lamp, Chippan, (150mm) Vice.

#### **OPTIONAL ACCESSORIES:**

Boring Head, Rotary Table Horizontal & Vertical (With Indexing Device), Angle Plate, 3 Axis DRO for X, Y, Z Axis

0110	IONAL	- DRO	
	175	N I I I	

#### EM1332

Universal Milling with Swivel Table

PARTICULARS	EM1336	EM1636
Table Size	1320 x 360mm	1650 X 360mm
Number/Width/Distance of T-Slot	3-14-95mm	5-14-95mm
Max. Load on Table	300kg.	300kg.
Longitudinal Travel - X Axis	1000mm	1300mm
Cross Travel - Y Axis	300mm	300mm
Vertical Travel - Z Axis	420mm	400mm
Dist. from Spindle to Table Surface	0-400mm	0-400mm
Dist. From Spindle Axis to Boom	175mm	175mm
Spindle Taper Horizontal	ISO-50	ISO-50
Number of Spindle Speed	12	12
Range Spindle Speed	58 - 1800rpm	58 - 1800rpm
Max. Swivel Angle of Work Table	±35°	±35°
Number of Table Feed	8	8
Feed Range - Longitudinal	22-420mm/min.	22-420mm/min.
Feed Range - Cross	22-393mm/min.	22-393mm/min.
Feed Range - Vertical	6/10-112mm/min.	6/8-112mm/min.
Rapid Speed - Longitudinal	1290mm/min.	1290mm/min.
Rapid Speed - Cross	1205mm/min.	1205mm/min.
Rapid Speed - Vertical	500mm/min.	500mm/min.
Motor Power	4kw	4kw
Feed Motor Power for X & Y - Axis	1.1kw	1.1kw
Dimension (Approx.) (L x W x H)	2070X2050X1850mm	2070X2050X1950mm
Weight (Approx.)	2300Kg.	2600Kg.

#### **STANDARD ACCESSORIES:**

Vertical ISO-40, Draw Bar, Stab Milling Arbor, Horizontal Arbor (25.4mm), Chippan 200mm Vice, Lamp, Mill Chuck ISO-40

#### **OPTIONAL ACCESSORIES:**

Boring Head, Rotary Table Horizontal & Vertical (With Indexing Device), Angle Plate, 3 Axis DRO for X, Y, Z Axis



# **Universal Swivel Head Milling Machine**





360º Vertical Swivel Head



Auto Feed Gear Box



Vertical Speed Separate Gear Box



Horizontal Speed Gear Box Control Panel with DRO



Lubrication Pump

ĺ	PARTICULARS	ESM1332	ESM1336	ESM1636	ESM1740
	Table Size	1320 X 320mm	1320 X 360mm	1650 X 360mm	1700x400 mm
	Number/Width/Distance of T-Slot	3-14-95mm	3-14-95mm	3-14-95mm	3 no
	Max. Load on Table	250Kg.	300Kg.	300Kg.	400 kgs.
	Longitudinal Travel - X Axis	1000mm (Manual)	1000mm	1300mm	900 mm
	Cross Travel - Y Axis	300mm (Manual)	300mm	300mm	400 mm
	Vertical Travel - Z Axis	440mm	400mm	400mm	405 mm
	Dist. From Spindle Axis to Table Surface	220-640mm	0-400mm	0-400mm	30-405 mm
	Dist. From Spindle Axis to Ram Surface	200-700mm	175-590mm	175-590mm	175-590 mm
	Spindle Taper	ISO-40	ISO-50	ISO-50	IS050
	Number of Spindle Speed	12H / 11V	12	12	12
	Range of Spindle Speed - Horizontal	40 - 1300rpm	58 - 1800rpm	58 - 1800rpm	60-1800/12steps rp
	Range of Spindle Speed - Vertical	45 - 1660rpm	60 - 1750rpm	60 - 1750rpm	60-1700/12steps rp
	Max. Swivel Angle of Work Table		±35°	±35°	±45
	Feed Range - Longitudinal	20-360mm/min. (8)	25-800mm/min.	25-800mm/min.	30-600mm/min.
	Feed Range - Cross	20-360mm/min. (8)	25-800mm/min.	25-800mm/min.	22-410mm/min.
	Feed Range - Vertical	422mm/min.	8-267mm/min.	8-267mm/min.	15-220 mm/min.
	Rapid Speed - Longitudinal	1200mm/min.	1200mm/min.	1200mm/min.	1800mm/min.
	Rapid Speed - Cross	1200mm/min.	1200mm/min.	1200mm/min.	1300mm/min.
	Rapid Speed - Vertical	400mm/min.	400mm/min.	400mm/min.	600mm/min.
	Motor Power - Horizontal	3kw	4kw	4kw	4kw
	Motor Power - Vertical	3kw	4kw	4kw	4kw
Ĩ	Feed Motor Power	0.55kw / 0.75kw	1.1kw	1.1kw	1.5kW
	Dimension (Approx.) (L x W x H)	2020X1710X1995mm	2070X2025X2020mm	2070X2350X2020mm	2070X2400X2020m
	Weight (Approx.)	2100Kg.	2480Kg.	2580Kg.	2700 Kgs.
4					



# **All Geared Drilling** & Milling Machine













Horizontal Speed Gear Box



Longitudinal Feed Gear Box





**OPTIONAL - DRO** 

#### Standard Accessories :

- Horizontal Milling Arbor Dia.22 And 27
- Coolant Pump With Fittings
- Milling Collet Chuck Set 8 Pcs
- Drill Chuck Ø 16mm
- Spindle Arbor ISO-40/B16 • Draw Bar
- Reduction Sleeve Up/Down Hand Wheel
- Tool Box
- Milling Machine Vice 6" (Swivel base)

#### **Optional Accessories :**

- Boring Head
- Rotary Table Horizontal & Vertical (With Indexing Device)
- Angle Plate
- 2 Axis DRO for X & Y Axis
- 3 Axis DRO for X, Y & Z Axis

Table Size No./Size/Distance Of T Slot Max. Load On Table MACHINE RANGE Longitudinal Table Travel (Manual/Auto) Cross Table Travel (Manual) Vertical Table Travel (Manual) MAIN SPINDLE Spindle Taper No. / Range of Spindle Speed - Vertical No. / Range of Spindle Speed - Horizontal Max. Drilling Diameter Max. End Milling Width Max. Vertical Milling Dia. Max. Tapping Dia. Quill Travel (Manual) Swivel Angle Of Headstock Vertical Spindle Axis To Column Surface Vertical Spindle Nose To Table Surface Horizontal Spindle Axis To Table Surface FEEDS Longitudinal Feed Cross Feed Vertical Feed Spindle Quill Feed POWER Motor Power (Vertical + Horizontal Head) Feed Motor Power (X & Y-Axis) Feed Motor Power (X-Axis) Feed Motor Power (Z-Axis) Coolant Motor **DIMENSION & WEIGHT Overall Dimension** 

Machine Weight

Specifications are subject to changed without prior notice.

PARTICULARS / MODEL

TABLE

ADM1228 1120X280mm 3/14/63mm

200kgs 560mm 260mm 300mm ISO40 9/90-2000rpm 12/40-1300rpm 30mm 100mm 25mm M16 120mm

±45° 200-700mm 110-410mm

0-300mm

8/24-720mm Auto Feed Manual Manual Manual + Auto

2.2kW (Vertical) 2.2kW (Horizontal)

- 0.37 kW
- 0.04 kW

1660x1500x2220mm 1300/1400Kgs

# **All Geared Drilling** & Milling Machine





Box Cross Guide Way



Control Panel with DRO







Longitudinal & Cross Feed Motor



Lubrication Pump

3 Axis DRO



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•	3	Ax	is	DI	RO	for	Х,	Υ	&	Ζ	1

- Axis Horizontal Milling Arbor Dia.22 And 27
- Coolant Pump With Fittings
- Milling Collet Chuck Set 8 Pcs.
- Drill Chuck Ø 16mm
- Spindle Arbor ISO-40/B16
- Draw Bar
- Reduction Sleeve ISO 40/MT3
- Up/Down Hand Wheel
- Tool Box
- Milling Machine Vice 6" (Swivel base)

#### **Optional Accessories :**

- Boring Head
- Rotary Table Horizontal &
- Vertical (With Indexing Device)
- Angle Plate

Max. Drilling Diameter	30mm
Max. End Milling Width	80mm
Max. Vertical Milling Dia.	25mm
Max. Tapping Dia.	M16
Quill Travel (Manual)	120mm
Swivel Angle Of Headstock	±45°
Vertical Spindle Axis To Column Surface	220-550m
Vertical Spindle Nose To Table Surface	70-350mm
Horizontal Spindle Axis To Table Surface	0-300mm
FEEDS	
Longitudinal Feed	8/22-555m
Cross Feed	8/22-555m
Vertical Feed	1/560mm l
Spindle Quill Feed	Manual + A
POWER	

HHAV

Motor Power (Vertical + Horizontal Head) Feed Motor Power (X & Y-Axis) Feed Motor Power (X-Axis) Feed Motor Power (Z-Axis) Coolant Motor **DIMENSION & WEIGHT** 

**Overall Dimension** Machine Weight

PARTICULARS / MODEL

No./Size/Distance Of T Slot

Vertical Table Travel (Manual)

Longitudinal Table Travel (Manual/Auto) Cross Table Travel (Manual)

No. / Range of Spindle Speed - Vertical

No. / Range of Spindle Speed - Horizontal

Max. Load On Table

MACHINE RANGE

MAIN SPINDLE

Spindle Taper

TABLE Table Size

> 3/14mm/70mm 200kgs 636mm 270mm 280mm ISO40 8/90-2000rpm 12/40-1300rpm

ADM1232A

1250X320mm

BHAYYA

30mm

m 50mm 0mm

555mm Auto Feed 555mm Auto Feed mm Rapid Feed al + Auto

2.2kW (Vertical) 2.2kW(Horizontal) 0.75 KW

0.75 KW 0.04 kW

1660x1500x2220mm 1550/1700Kgs.





# **Vertical Turret Milling**



Square Head - M4S & M4SZ



Round Head 5HP - M5 & M5Z



Round Head 5HP - M6 (Without Head Tilt)



Z Axis Motorized - Z Series



Box Guide Way



Lubrication System



HAY

Dovetail Guide Way

Arm Rotate 360 Degree



Machine lamp



Head Rotate & Tilting Dial

U Z



# **Vertical Turret Milling**

Model	M3	M4		M4A	M4AZ
Milling Head	Round	Roun	d	Round	Round
Table Size	1270 x 254mm	1370 x 2	54mm 1	370 x 254mm	1370 x 254mm
T-Slot (No./Size/Distance)	3/16mm/65mm	3/16mm/		/16mm/65mm	3/16mm/65mm
Max. Load on Table	300Kgs.	300Kg		300Kgs.	300Kgs.
X – Axis Travel	760mm	860m		860mm	860mm
Y - Axis Cross Travel	400mm	400m		400mm	400mm
Z – Axis Vertical Travel	405mm	405m	m	405mm	405mm
X – Axis Guide Way					
Y – Axis Guide Way					
Z – Axis Guide Way					
Ram Travel	510mm	510m	m	580mm	580mm
Spindle Taper			8(NT30/NT40- Option		
Spindle Quill Travel	127mm	127m	•	127mm	127mm
Quill Feed					
	0.04, 0.08, 0.15	0.04, 0.08	o, 0.10 0.	.04, 0.08, 0.15	0.04, 0.08, 0.15
No. of Spindle Speed	16	16		16	16
Range of Spindle Speed	80-5440rpm	80-5440	•	80-5440rpm	80-5440rpm
Spindle Nose to Table	70-470mm	70-470		70-470mm	70-470mm
Head Tilt		±90° Le	ft & Right±45° Front	: & Back	
Motor power	3HP	3HF		3HP	3HP
Motor Power – Z Axis		- 110			0.5HP
Weight	1200kgs	1250k	(0S	1300kgs	1325kgs
	Loongo	12001	~ ~ ~		TM
Model	M4S	M4SZ	M5	M5Z	M6
Milling Head	Square Head	Square Head	Round	Round	Round
Table Size	1370 x 254mm	1370 x 254mm	1370 x 305mm	1370 x 305mm	1370 x 305mm
T-Slot (No./Size/Distance)	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm
Max. Load On Table	300Kgs.	300Kgs.	350Kgs.	350Kgs.	350Kgs.
	860mm	860mm	860mm	860mm	860mm
X – Axis Travel		S // /= = =	1	M = = = + + 1/2	
Y - Axis Cross Travel	400mm	400mm	380mm	380mm	380mm
Z – Axis Vertical Travel	405mm	405mm	360mm	360mm	360mm
X – Axis Guide Way		<b>A</b>	<b>A</b>		<b>A</b>
Y – Axis Guide Way					
Z – Axis Guide Way					
Ram Travel	580mm	580mm 🖘	580mm	580mm	510mm
Spindle Taper			8(NT30/NT40- Option		
Spindle Quill Travel	127mm	127mm	127mm	127mm	127mm
	0.038, 0.076, 0.20	0.038, 0.076, 0.20	0.038, 0.076, 0.20		0.04, 0.08, 0.15
No. Of Spindle Speed	16	16	16	16	16
Range Of Spindle Speed	66-4540rpm	66-4540rpm	66-4540rpm	66-4540rpm	66-4540rpm
Spindle Nose To Table	70-470mm	70-470mm	70-550mm	70-550mm	70-550mm
Head Tilt	±90° Le	eft & Right±45° Front	& Back	±90° Left & Right	
Motor Power – Milling Head	3HP	3.0HP	5.0HP	5.0HP	5.0HP
Motor Power – Z Axis		0.5HP		0.5HP	
Weight	1400kgs	1425kgs	1500kgs	1525kgs	1600kgs
STANDARD ACCESSORIES					
	2 Axis DRO	Collet Set	Clamping Kit 52 Pcs.	Machine Vice	Chip Pan Tray
OPTIONAL ACCESSORIES		111			Some L
X & Y /	Axis Power Feed Ke	yless Drill Chuck	Boring Head Set	Right Angle Attachment	Rotary Table
	LV/MAN -				

BHAVY

# All Geared Universal Milling Machine



**OPTIONAL - DRO** 

 High Quality Close grained cast Iron. All slides Grinded on Slide way Grinder and Closely scraped.

 Steel Sliding gears carried on splined shafts, shafts Spindle and Arbor made of alloy steel

hardened and ground.

	MODEL	MAC2U-E	MAC3U-E	MAC4U-E	MAC5U-E	MAC6U-E
	TABLE			-SAT		
	Working Space mm	1300 x 300	1400 x 300	1600 x 350	1800 x 400	2000 x 450
	T.Slot Nos/ Size	3.16	3.22 T NUT	3.22 T NUT	3.22 T NUT	3.22 T NUT
	T.Slot Centre	70	80	85	90	95
	Swivel	+ 450	+ 450	+ 450	+ 450	+ 450
	Longitudinal Travel By Power X mm	700	800	1000	1200	1300
	Cross Travel By Power Y mm	215	260	340	380	450
	Vertical Travel By Power Z mm	450	510	600	650	700
	FEEDS					
	No. of Feeds	18	18	18	18	18
	Range of Longtitude Feed/Min	23-420	23-420	23-420	23-420	23-420
	Range of Cross Feed/ Min.	23-420	23-420	23-420	23-420	23-420
	Range of Vertical Feed/ Min.	3-70	3-70	3-70	3-70	3-70
	No. of Rapid Feed	1	1	1	1	1
	Rapid Long & Cross/ Min.	1050	1050	1050	1050	1050
	Rapid Vertical/ Min.	175	175	175	175	175
	SPINDLE					
	No. of Spindle Speeds.	12	12	12	12	12
	Range of Spindle Speeds	40 to 1200 RPM				
	Spindle Taper	ISO - 40	ISO - 40	ISO - 40	ISO - 50	ISO - 50
	Arbor Diameter	25.4	25.4	32	40	40
7	POWER					
	Main Motor	3 H.P	5 H.P	7.5 H.P	10 H.P	10 H.P.
А	Feed Motor	2 H.P	2 H.P	3 H.P	3 H.P	5 H.P.
	Coolant Motor	0.1 H.P.				
2	ARVIR		TM			TELEV

for more Information, scroll on

**BHAXYA** 

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# All Geared Vertical Milling Machine



**OPTIONAL - DRO** 

- High Quality Close grained cast Iron.
   All slides Grinded on Slide way Grinder and Closely scraped.
- Steel Sliding gears carried on splined shafts, shafts Spindle and Arbor made of alloy steel hardened and ground.

MODEL	MAC2V-E	MAC3V-E	MAC4V-E	MAC5V-E	MAC6V-E
TABLE		TM			E HU
Working Space (mm)	1300 x 300	1400 x 300	1600 x 350	1800 x 400	2000 x 450mm
No. & Width of T Nut	3.16	3.22 T NUT	3.22 T NUT	3.22 T NUT	3.22 T Nut
Centre Distance Between T Slots	70	80	85	90	95
Longitudinal Travel By Power X (mm)	700	800	1000	1200	1300
Cross Traverse By Power Y (mm)	215	260	340	380	450
Vertical Travel By Power Z (mm)	450	510	600	650	700
Min. Distance From Left Hand Table	250	300	350	400	450
End to Spindle Center (mm)					
MILLING SPINDLE					
No. of Speeds	12	12	12	12	12
Speed Range ( RPM)	40-1200	40-1200	40-1200	40-1200	40-1200
Spindle Nose	ISO - 40	ISO - 40	ISO - 40	ISO - 50	ISO - 50
Min,/ Max. Distance,	40-450	0-510	0-600	0-650	0-700
Centre Milling Spindle/					
Lower Face of Milling					
Spindle to Table Top Surface					
Distance Spindle Centre to Column	320	350	370	400	500
Face Vertical Movement of Quill	75	95	95	100	100
Swivel of Milling Head On Either Side	45°	45 <sup>⁰</sup>	45°	45°	45°
FEEDS					
No. of Feeds					
Feed Range : Long & Cross	18	18	18	18	18
Vertical	23-420	23-420	23-420	23-420	23-420
Rapid Traverse : Long Cross	3-70	3-70	3-70	3-70	3-70
Vertical	1050	1050	1050	1050	1050
POWER	175	175	175	175	175
Main Motor	3 H.P	5 H.P	7.5 H.P	10 H.P	12 H.P.
Feed Motor	2 H.P	2 H.P	3 H.P	3 H.P	3 H.P.
Coolant Motor	0.1 H.P.	0.1 H.P.	0.1 H.P.	0.1 H.P	0.1 H.P.

# 



Ideal for Educational Institute

# **Universal Milling Machine**

Universal Model

Vertical Model

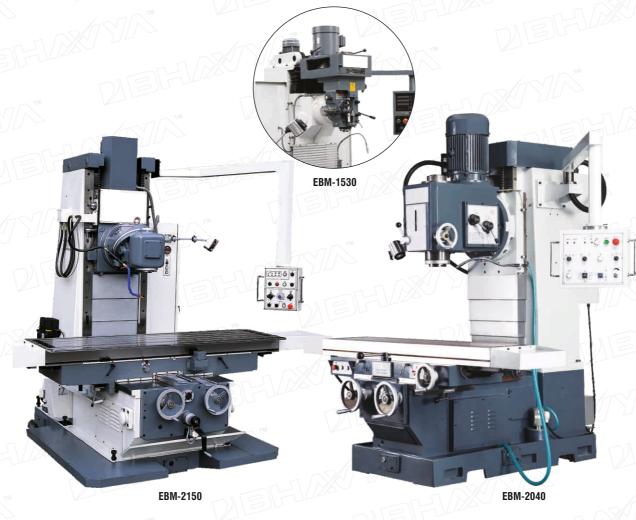
Machine is Suitable for Mass Production Purpose. Auto Feed is provided in both directions for Longitudinal movement of table, Vertical & Cross Movement are hand operated.

	Model	SM – 0	SM – 1	SM –1H	SM-2	SM-2H
1	Surface of Table (MM)	800 x175	900x200	1050 x 250	1200x275	1300x300
1	No. of T-Slots	3	3	3	3	3
1	Size of T-Slots	1/2"	1/2"	1/2"	1⁄2"	1/2"
_	Swivel either Side of Table	45	45	45	45	45
	Cross Traverse (MM)	150	150	175	200	250
	Vertical Traverse (MM)	400	400	450	500	625
	Longitudinal Traverse (MM)	475	475	525	625	675
	Arbour Diameter (MM)	25.4	25.4	25.4	25.4	25.4
	Taper of Spindle	ISO 40	ISO 40	ISO 40	ISO 40	ISO 40
	No. of Spindle Speed	6	6	6	9	9
	Range of Spindle Speed (RPM)	40 - 700	40 - 700	40 - 700	40 - 700	40 - 700
1	Spindle Diameter (MM)	50	70	80	80	90
	No of Feed in Longitudinal Table Long.	2	2	2	3	3
7	Main Motor Power (HP)	1	1.5	2	2	2
	Weight (Kgs.)	450	700	900	1300	1900

for more Information, scroll on



# **Bed Type Milling Machine**



Model	EBM-1530	EBM-2150	EBM-2040
Table Size	1525x320mm	2100x500mm	2000×400mm
Number/Width/Distance of T-Slot	3-14-80mm	4-20-100mm	3-18-100mm
Max. Load on Table	500kgs	2000kgs	2000kgs
Longitudinal Travel - X Axis	1050mm	1500mm(Manual)	1500mm
Cross Travel - Y Axis	470mm	670mm	500mm
/ertical Travel of Head	500mm	670mm	650mm
Dist. From spindle nose to table surface	70-570mm	0-670mm	100-650mm
Dist. From Spindle axis to Column surface	450mm	610mm	600mm
Spindle Taper	ISO-50	ISO-50	ISO-50
No. Of Spindle Speeds	10	12	12
Range Spindle Speed	70-3620rpm	35-1345rpm	66-1440rpm
Spindle Quail Travel	127mm	<u> </u>	100mm
Max. Swivel Angle of Milling Head		±360°	±45°
eed Range – X Axis	20-1200mm/min	20-1800mm/min	20-2000mm/min
eed Range – Y Axis	Manual	20-1800mm/min	20-2000mm/min
eed Range – Z Axis	1200mm/min	10-900mm/min	
Rapid Speed - X Axis	1200mm/min	3500mm/min	3500mm/min
Rapid Speed - Y Axis	Manual	3500mm/min	3s500mm/min
Rapid Speed – Z Axis	1200mm/min	1750mm/min	· // / >
Notor Power	3.7kW	7.5kW	6.5kW
eed Motor of X & Y Axis	0.4kW	2.0kW	2.8kW
Dimensions (L x W X H)	2565x2045x2290mm	3300x2380x2750mm	3000×2285×2340mm
Weight	2300kgs	7300kgs	5000kg

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# **Shaping Machine**

- Ideal for Educational Institute
- Naturally Seasoned Casting.
- Heavily cross ribbed, Robust and sturdy construction ensures free working.
- Specially designed for increased-production, precision Performance and Deep Cut.
- Fully Hand Scrapped
- Quick Return Motion
- Selected special alloy steel used
- for screws and other steel parts.

#### Standard Model

Model	TCS – 12	TCS – 18	TCS – 24	TCS – 30	TCS – 36
Machine size	12"	18"	24"	30"	36"
Maximum stroke	14"	20"	26"	32"	38"
Len of Ram	26"	36"	50"	58"	66"
Max. dist. of Table to Ram	9"	15"	19"	20"	20"
Min. dist. of table to Ram	1⁄2"	2"	2"	2"	2"
Max. vertical travel to tool slide	5"	4"	7"	7"	7"
Length & width of table top.	12" x 9"	18" x 12"	24" x 15"	30.1/2" x 16"	36" x 18"
Length & width of table slide	24" x 10"	30" x 11"	37.1/2" x 12"	44" x 13"	48" x 14"
Length of cross slide	24"	30"	37.1/2"	44"	48"
Width of Ram	8.1/2"	10"	12.1/2"	12.1/2"	13"
No of speeds	4	3	4	4	4
Main Motor Power	1 HP	2 HP	2 HP	3 HP	5 HP

All-Geared Model also available



Hydraulic Power pack unit complete with electric motor 2 H.P, hydraulic vane pump, solenoid operated direction control valves, pressure relief valve, Flow Control Valves, Speed Control Valves, accessories, analogue pressure gauges and all safety factors

MODEL	TCS-12-H	TCS-18-H
SIZE	305mm	457 mm
Length of ram storke	660mm	960 mm
Length of ram	520x203	700x270 mm
Length of width ram bearing	257 / 40mm	360 / 75 mm
Max /min distance of table to ram	305 x 203	457x305 mm
Working surface of table -	60L 60R	60L 60R
Angular movement of table	140 mm	152 mm
Max vertical table travel -	60L 60R	60L 60R
Max swivel of tool head –	Manual	Manual
Tool head feed	2 hp	2 hp
Motor	80 ltr	80 ltr
Hydrolic tank capacity	650 kgs	1200 kg

for more Information, scroll on

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# Shaping Machine Deluxe Model

### **All Geared Drive**

- Naturally Seasoned Casting.
- Heavily cross ribbed, Robust and sturdy construction ensures free working.
- Specially designed for increased-production, precision Performance and Deep Cut.
- Fully Hand Scrapped
- Quick Return Motion
- Selected special alloy steel used for screws and other steel parts.

## **Cone Pulley Drive**

MODEL	HS-12	HS-18	HS-24	HS-30	HS-36	HS-42	
CAPACITY	12"	18"	24"	30"	36"	42"	
Length of Ram Stroke	305mm	457mm	610mm	762mm	915mm	1070mm	
Length of Ram	660mm	960	1232	1410	1651	mm	
Length of Width Ram Bearing	520x203mm	700x270mm	867x300mm	1020x330mm	1130x330mm	1600x330mm	
Max. & Min. Distance from Table of Ram	257-40mm	360-75mm	450-76mm	510-75mm	565-102mm	600-102mm	
Working Surface of Table	305x203mm	457x305mm	610x370mm	762x390mm	915x457mm	1078x533mm	
Max. Table Travel Horizontal	330mm	488mm	635mm	787mm	940mm	1075mm	
Max. Table Travel-Vertical	140mm	330mm	380mm	450mm	525mm	585mm	
Angular Movement of Table on Either Slides	60 L 60 R	60 L 60 R	60 I 60 R	60 I 60 R	60 L 60 R	60 L 60 R	
Max Vertical Travel of Tool Slide	140mm	152mm	190mm	203mm	255mm	300mm	
Maximum Swivel of Tool Head	60 L 60 R	60 L 60 R	60 L 60 R	60 L 60 R	60 L 60 R	60 L 60 R	
Dia of Clutch Pulley	235mm	311mm	311mm	311mm	380mm	380mm	
Range of Ram Speeds	4 TM	4	4	4	4	4	
Stroke Per Minute	22,36,52,78	16,32,64,96	14,28,42,62	8,16,32,48	10,20,30,50	8,16,32,48	
Dia of Motor Pulley	51mm	70mm	70mm	76mm	88mm	88mm	
Range of Table Feed Per Stroke of Ram	0.22	0.22	0.229	0.229	0-22 To 0-88	0-22 To 0-88	
Range of Tool Head Feed	Hand Feed	Hand Feed	Hand Feed	Hand Feed	Hand Feed	Hand Feed	
Automatic Tool Head Feed & Tool Lifting	on order	on order	on order	on order	on order	on order	
Power Supply	1HP	2HP	3HP	5HP	7.5HP	10HP	
Main Switch Starter (Push Button Type)	3.5AMP	3.5AMP	5AMP	5AMP	5AMP	5AMP	
Approx Weight	650Kgs.	1200Kgs.	1850Kgs.	2300Kgs.	3500Kgs.'	4000Kgs.	

# 

# **Heavy Duty Slotting Machine**

Heavy Duty

Extra Heavy Duty

## Heavy Duty

MODEL	BHS-10	BHS-10-13	BHS-12-14	BHS-14-16	BHS-16-18
Stroke	10"	10"-13"	12"-14"	14"-16"	16"-18"
Rotary Table	15"	15"	18"	20"	20"
Longitudinal Movement	12"	12"	13"	14"	16"
Cross Movement	9"	10"	11"	12"	13"
Cutting Speed of Ram	2N0.	2 NO.	2 NO.	2 NO.	2 NO.
Ram Adjustment	11"	12"	15"	15"	16"
Throat Depth – Height	17"	18"	20"	20"	21"
Distance from Tool to Main Column	14"	15"	16"	18"	19"
Motor Power Required	2 H.P	2 H.P	3 H.P	3 H.P	3 H.P

# Extra Heavy Duty

MODEL	BHS-18-20	BHS-20-22	BHS-22-24	BHS-24-26	BHS-30-32		
Stroke	18"-20"	20"-22"	22"-24"	24"-26"	30"-32"		
Rotary Table	22"	22"	24"	24"	30"		
Longitudinal Movement	18"	19"	20"	20"	22"		
Cross Movement	14"	15"	16"	17"	18"		
Cutting Speed of Ram	3 NO.	3 NO.	3 NO.	3 NO.	4 NO.		
Ram Adjustment	18"	19"	19"	20"	22"		
Throat Depth – Height	21"	21"	22"	22"	24"		
Distance from Tool to Main Column	20"	21"	22"	24"	28"		
Motor Power Required	5 H.P	5 H.P	7.5 H.P	7.5 H.P	10 H.P		

## Slotting Machine Standard Model

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Rigid Construction hence smooth and Vibration free operation.
 Fine grained castings and duly Seasoned

Fine grained castings and duly Seasoned.
All gears are Machine cut and Properly fitted.

#### Extra Accessories :

Rotary Table with 36 :1 Ration (250mm), • Electric Motor • True Chuck • Switch • V-belt

Model	BS – 150	BS – 250	BS - 300
ADJUSTABLE Stroke (mm)	10 to 150	10 to 250	10 to 300
Longitudinal Movement (mm)	200	230	300
Cross Movement (mm)	110	110	110
Speed adjustment (Speed)	3	3	3
Ram Adjustment (mm)	150	250	300
Motor (HP)	1	1.5	2
Column to RAM Dist.(mm)	210	330	495
Table to RAM Dist. (mm)	310	410	430
Table size (mm)	280x335	280x335	360x305
Machine Dimension	1050x550x1175	1150x600x1375	1250x700x1500
Machine weight (kg)	375	450	550
	1 1114		

## **Bolt Threading Machine**



#### Special Features

- The Spindle Bore 40mm Fitted with Taper Bearing
- The Machine Has Two Speeds 60 & 90 RPM
- All Gears are Tempered (Oil Seals 42-12-65)
- Motor Pulley 12" Diameter, V-belt Drive Vice Fitted with Jaw
- All the Gears are made of cast hardened steel.

#### Noilseless Opearation

MODEL	B-25	B-40	B-65
Capacity	1/4" to 1"	3/8" to1.1/2"	1 /2" to 2. 1⁄2"
Length of Bed	44"	52"	72"
Width of Bed	11"	12.1⁄2"	14. 1/2"
Height of Bed	11"	12.1⁄2"	14. ½"
Length of Pedestal Box	44"	52"	22" x 22.20" x 16"
Width of Pedestal Box	18"	19"	21"
Height of Pedestal Box	20"	20"	-
Length of Slide	17"	18"	20"
Width of Slide	11"	12"	14. 1⁄2""
Height of Slide	3"	3"	4"
Length of Head	14.1/2"	15.1⁄2"	17'
Width of Head	11"	12"	23"
Height of Head	11.1/2"	12"	14.1⁄2"
Power HP/ RPM	2 / 960	3 / 960	5 / 960



**BHAYYA**<sup>TM</sup>

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## **Capstan Lathe**

# **Turret Lathe**

#### Application

Machines are suitable for batch production of small components & secondary operations requiring Turning, Drilling, Grooving, Threading, Boring, Recessing, Forming etc. with semi skilled operator. Best suited for Sanitary works.

#### **Standard Equipments**

Manual Turret, Cross Slide with two Tool Posts, One Coupling 165mm, Spanner Set, Allen key set, Oil Cane.



Few Compensates Mfg. In This Machines

#### **Extra Equipments**

Collet Chuck, Bar Feed attachment. Electric motor, Vertical Slide\*, Coolant Pump & its fitting, Feed for turret slide, Panel board & its fittings,

Models	PC-20S	PC-25S	PC-25G	PC-32G	PC40G	PC-40GN
Spindle hollow (mm)	25	28	32	38	42	42
Maximum collet capacity (mm)	20	25	25	32	40	40
Range of spindle speeds (RPM)	650-1660	650-1660	275-900	165-1500	165-1500	100-1050
Effective strokes of turret slide(mm)	100	110	130	140	140	165
Bore size in turret hex head	25	25	25	25	32	32
Center of holes above turret slide (mm)	45	45	45	45	45	45
Max. dist. Between	300	375	400	425	425	430
Spindle Nose To Turret Face (mm)						
Cross slide traverse travel (mm)	95	95	95	95	95	150
Cross slide longitudinal travel (mm)	300	300	300	300	300	300
Length of bed (mm)	980	1050	1275	1225	1225	1375
Width of bed (mm)	178	178	178	178	178	230
Height. of center above bed (mm)	165	165	165	165	165	190
Floor space required (mt.)	2.5x1	2.5x1	3x1	3x1	3x1	3x1
Packing size (approx)(Sq.ft.)	4x3x5	4x3x5	4.5x3x5	5x3x5	5x3x5	5x3x5

for more Information, scroll on

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## **Hydraulic Thread &** Form Rolling Machine



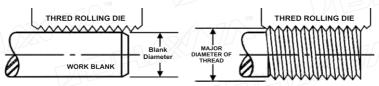
#### SALIENT FEATURES:

- Compact Design Fabricated steel frame

- Versatile for all type of works
- Manual & Automatic cycles
- Range of cycle times
- Extended universal joint provides smooth operation for big angle of work piece
- Over sized coolant tank for superior cooling effects.
- Low pressure hydraulic power pack to ensure to low heat & minimum maintenance.
- "T" type and accurately ground slide assures that jumping and vibration will not happen during rolling.
- Centralized lubrication of all important moving parts.

Technical specification	TR-24B	TR-42D	TR-80A
Work piece (in feed)	3-24mm	3-50mm	10-80mm
Max pitch of thread (Standard V Thread	d) 3mm	5mm	10mm
Max serrations pitch	1.0mm	1.6mm	3mm
Max. Die. Width	80mm	150mm	200mm
Max.Through feed thread length	6 meter	6 meter	6 meter
Max. Rolling Force (infinitely adjustable	e) 8 tons	16/20 tons	30 tons
Spindle Axis swivel for through feed	50	50	120
Roll spindle	40mm	4mm	69.85mm
Max Rolling Die	120mm	180mm	220mm
Roll spindle speed (RPM)	60/90	20/40/60	16/22/34/73/110/150
Main Motor (HP)	3	5/7.5	15
Hydraulic power pack motor (HP)	1	2/3	3
Coolant pump (HP)	1/8	1/8	1/2
Electrical connection	415 V, 50 Hz, 3 Phase	415 V, 50 Hz, 3 Phase	415 V, 50 Hz, 3 Phase
Approx. Weight	1000 Kg	2200 Kg	3500 Kg

Thread rolling is a chipless cold forming process. A plain cylindrical blank, with a diameter part way between the major and minor diameters of the finished thread, is rotated and squeezed between cylindrical type hardened steel dies whose working surfaces are the reverse of the thread form to be produced. The threads of the die penetrate the surface of the black as it rolls between them, displacing material to form the roots of the threads, and forcing the displayed material readily outward to form the crests. Unlike other threading process, no material is wasted.



Most threads are rolled by the in-feed method in which the entire thread length is formed simultaneously without axial movement of the part. Threads that is too long to be produced by the in-feed method can, however, be rolled by a thru feed method on these type of Machines.



## **"C" Type Power Press**

#### **SPECIAL FEATURES :**

FRAME: The frame is of all steel construction, fabricated from rolled steel plates with suitable cross ribbings. The structure is designed for perfectly balanced distribution of stress over the cross section eliminating deflection & vibration, in result increased tool & machine life.

**CLUTCH:** The clutches of pin/rolling key-type and well supported with high rigidity. The Clutch is made of special alloy steel, the pin / rolling key is manufactured from W.P.S. / EN24 material & with proper heat treatment to ensure trouble free long life & give continues stroke for mass production.

**CRANK SHAFT:** The Crank shaft is made of special alloy steel with precisely machined to grind finish having closed accuracy and fitted in bronze bushes for smooth working, longer life with consistent performance.

ADJUSTABLE STROKE: The unique feature of adjustable stroke enables the press to perform all kinds of operations by employing short stroke for blanking and forming operation.

FLYWHEEL: Properly sized flywheel is made of high grade cast iron, for storing and releasing adequate energy for the pressing operation, and properly balanced for smooth running.

**GEARS:** Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.

RAM & BED: Ram Slides is made of high grade heavy duty cast iron & properly seasoned, aligned & fitted with Hylum Sheet on back side for friction free travel through slides, ensuring longer life of die and easy operation. Bed is made of high grade heavy duty cast iron & properly seasoned & properly aligned with ram to obtain high accuracy and precision press operation.

#### STANDARD ACCESSORIES

- 1) Motor Pulley
- 2) Slide Adj. Spanner
- 3) Fly wheel & Gear guard
- 4) Oil cups for lubrication point.
   5) Knock –out system

#### **OPTIONAL ACCESSORIES**

- 1) Tow hand operated clutch.
- 2) Single /Continuous stroke
- 3) Automatic lubrication pump
- 4) Electric motor, Starter and V-belts
- 5) Extra base plate
- 6) Inclinable type

Model No		BCP-05	BCP-10	BCP-20	BCP-30	BCP-40	BCP-50
CAPACITY IN TONS		5	10	20	30	40	50
Crankshaft Diameter	MM	85	105	123	140	145	160
Adj. Stroke Length	MM	38	50	63	76	76	89
Adjustment of Ram	MM	25	25	25	25	25	25
Ram Face Size	MM	190 x 100	240 x 114	292 x 127	317 x 140	342 x 152	368 x 165
Punch Hole in Ram	MM	25	25	32	38	38	45
Hole in Bed	MM	63	76	82	89	95	101
Bed Size (Left to Right x							
Front to Back)	MM	355 x 178	432 x 228	534 x 305	585 x 355	635 x 355	685 x 406
Bed Thickness	MM	50	58	63	70	76	83
Dist.between bed to Ram	MM	177	204	254	292	318	355
Flywheel Weight	Kg.	50	70	90	110	150	210
Stroke per minute	MM	80	80	45	40	40	40
H.P.Required for Geared(1440 RPM)	HP	1	1.5	2	3	5	5
For Ungeared(960 RPM)	HP	1TM	2	3	5	- [	NE
Floor To Top of Bed	MM	700	725	750	750	750	775
All Over Size (LR x FB x H)	MM	700 x 600 x 1600	800 x 800 x 1900	1000 x 1000 x 2100	1000 x 1100 x 2200	1100 x 1200 x 2400	1200 x 1300 x 2500
Weight Approximate	Kg.	350	600	1100	1400	1800	2400

Model No		BCP-60	BCP-80	BCP-100	BCP-150	BCP-200
CAPACITY IN TONS		60	80	100	150	200
Crankshaft Diameter	MM	170	190	196	220	230
Adj. Stroke Length	MM	101	114	127	152	152
Adjustment of Ram	MM	25	25	25	25	25
Ram Face Size	MM	393 x 177	444 x 190	495 x 203	622 x 241	750 x 292
Punch Hole in Ram	MM	45	50	50	80	80
Hole in Bed	MM	115	130	150	200	225
Bed Size (Left to Right x						
Front to Back)	MM	712 x 457	736 x 508	890 x 610	1041 x 737	1092 x 812
Bed Thickness	MM	88	95	114	127	137
Dist.between bed to Ram	MM	381	381	406	457	482
Flywheel Weight	Kg.	300	340	360	450	800
Stroke per minute	MM	40	40	40	40	35
H.P.Required for Geared(1440 RPM)	HP	7.5	7.5	10	15	20
For Ungeared(960 RPM)	HP	<u></u>	-	-\//%		-
Floor To Top of Bed	MM	775	775	775	775	775
All Over Size (LR x FB x H)	MM	1300 x 1350 x 2650	1500 x 1500 x 2750	1750 x 1750 x 2900	2050 x 2000 x 3300	2200 x 2150 x 3500
Weight Approximate	Kg.	2600	3400	4800	6500	9000

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## "H" Type Power Press

#### **SPECIAL FEATURES:**

**FRAME:** The frame is of all steel construction, fabricated from rolled steel plates with suitable cross ribbings. The structure is designed for perfectly balanced distribution of stress over the cross section eliminating deflection & vibration, in result increased tool & machine life. **CLUTCH:** The clutches of pin/rolling key-type and well supported with high rigidity. The Clutch is made of special alloy steel, the pin / rolling key is manufactured from W.P.S. / EN24 material & with proper heat treatment to ensure trouble free long life & give continues stroke for mass production.

**CRANK SHAFT:** The Crank shaft is made of special alloy steel with precisely machined to grind finish having closed accuracy and fitted in bronze bushes for smooth working, longer life with consistent performance.

ADJUSTABLE STROKE: The unique feature of adjustable stroke enables the press to perform all kinds of operations by employing short stroke for blanking and forming operation.

**FLYWHEEL:** Properly sized flywheel is made of high grade cast iron, for storing and releasing adequate energy for the pressing operation, and properly balanced for smooth running.

**GEARS**: Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.

RAM & BED: Ram Slides is made of high grade heavy duty cast iron & properly seasoned, aligned & fitted with Hylum Sheet on back side for friction free travel through slides, ensuring longer life of die and easy operation. Bed is made of high grade heavy duty cast iron & properly seasoned & properly aligned with ram to obtain high accuracy and precision press operation.

#### STANDARD ACCESSORIES

- 1) Motor Pulley
- 2) Slide Adj. Spanner
- 3) Fly wheel & Gear guard
- 4) Oil cups for lubrication point.
- 5) Knock –out system

#### **OPTIONAL ACCESSORIES**

- 1) Tow hand operated clutch.
- 2) Single /Continuous stroke
- Automatic lubrication pump
- 4) Electric motor, Starter and V-belts
- 5) Extra base plate
- 6) Inclinable type

Model No		BHP-30	BHP-50	BHP-80	BHP-100	BHP-150
CAPACITY IN TONS		30	50	80	100	150
Crankshaft Diameter	MM	85	140	160	190	195
Adj. Stroke Length	MM	75	89	115	130	150
Punch Hole in Ram	MM	38	45	50	50	80
Hole in Bed	MM	90	100	130	150	200
Bed Size : (Length x Width)	MM	410x460	460x510	530x585	610x660	660x710
Bed Thickness	MM	70	83	95	115	125
Dist. between bed to Ram	MM	290	355	405	455	455
Strokes per minute	MM	40	40	40	40	40
Motor Power (HP)-1440 RPM		3	5	10	10	15
Floor To Top of Bed	MM	880	1000	1000	1000	1000
All Over Size (Lx W x H)	MM	1000x1100x2200	1200x1300x2500	1500x1500x2750	1750x1750x2900	2050x2000x3300
Weight Approximate	Kg	1500	2500	3500	5000	6600

Model No		BHP-200	BHP-250	BHP-300	BHP-400	BHP-500
CAPACITY IN TONS		200	250	300	400	500
Crankshaft Diameter	MM	220	220	255	295	295
Adj. Stroke Length	MM	150	165	175	200	200
Punch Hole in Ram	MM	80	80	80	80	80
Hole in Bed	MM	225	250	250	300	300
Bed Size : (Length x Width)	MM	760x810	860x910	915x915	1000x1000	1100x1100
Bed Thickness	MM	135	140	145	150	155
Dist. between bed to Ram	MM	480	495	560	610	660
Strokes per minute	MM	35	-30	30	25	25
Motor Power (HP)-1440 RPM		20	25	30	40	50
Floor To Top of Bed	MM	1000	1000	1000	1000	1000
All Over Size (Lx W x H)	MM	2200x2150x3500	2300x2200x3800	2450x2350x4000	2600x2450x4200	2800x2500x4400
Weight Approximate	Kg	9000	11500	12500	13500	14500

**BHXYX** 

# **Pneumatic Power Press**



Model No	BNCP-30	BNCP-40	BNCP-50	BNCP-60		
Capacity in Tons	30	40	50	60		
Crankshaft Diameter (mm)	140	145	160	170		
Adjustment of Stroke (mm)	75	75	90	100		
Adjustment of Ram (mm)	25	25	25	25		
Punch Hole in Ram (mm)	38	38	45	45		
Hole in Bed (mm)	90	95	100	115		
Bed Size (Length x Width) (mm)	585x355	635x355	685x405	710x455		
Bed Thickness (mm)	70	75	85	90		
Dist. between bed to Ram (mm)	290	320	355	380		
Strokes per minute (mm)	50	50	50	50		
Motor Power (HP)-1440 RPM	3	5	5	7.5		
Air Pressure Required (BAR)	5.5	5.5	5.5	5.5		
Floor To Top of Bed (mm)	880	1000	1000	1000		
Overall Size (L x W x H)	1000x1100x2200	110x1200x2400	1200x1300x2500	1300x1350x2650		
Weight Approximate (Kg)	1500	1900	2500	2700		

#### STANDARD ACCESSORIES

 Two Hand Push Button Controlled
 Operator control Panel Board (Off, Inch, Single & Continues Stock)
 Foot Switch Operation
 Manual Lubrication System .

#### OPTIONAL ACCESSORIES

Stock Counter
 Motorised Lubrication System
 Pneumatic Counter Balance Cylinder
 Hydraulic Overload Safety Device
 Die Cushion

Model No	BNCP-80	BNCP-100	BNCP-150	BNCP-200
Capacity in Tons	80	100	150	200
Crankshaft Diameter (mm)	190	195	220	230
Adjustment of Stroke (mm)	115	130	150	150
Adjustment of Ram (mm)	25	25	25	25
Punch Hole in Ram (mm)	50	50	80	80
Hole in Bed (mm)	130	150	200	225
Bed Size (Length x Width) (mm)	740x510	890x610	1040x735	1100x815
Bed Thickness (mm)	95	115	125	135
Dist. between bed to Ram (mm)	380	405	455	480
Strokes per minute (mm)	50	40	40	35
Motor Power (HP)-1440 RPM	10	10	15	20
Air Pressure Required (BAR)	5.5	5.5	5.5	5.5
Floor To Top of Bed (mm)	880	1000	1000	1000
Overall Size (L x W x H)	1500x1500x2750	1750x1750x2900	2050x2000x3300	2200x2150x3500
Weight Approximate (Kg)	3500	5000	6600	9000

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# BHAYY

## **Cross Shaft Power Press**

#### **Special Features**

- High torque, low noise wet clutch and brake.
- Rigid frame with less deflection.
- High accuracy transmission gears and high rigidity crank ensure press long life and accuracy.
- Forced Lubrication system with default monitor ensures the operation reliability,
- User-friendly design and all-function electric control system enable the accessories to attach easily.
- High accuracy meets the QMS 1st level.

#### **Standard Accessories**

Hydraulic Overload Protector Manual Slide Adjusting Device (RX-25-45) Electrical Slide Adjusting Die Height Indicator (RX-250) Counter Balancers of Slide Rotary Com Limit Switch. Antirepeat Safety Device Magnetic Strokes Counter Miss feed Detector Socket. Pneumatic Ejector. Air Outlet Maintenance Tools.

#### **Optional Accessories**

Power Take-off shaft. Pneumatic Die Cushion. Photoelectric Safety Device. Variable Speed Motor (Inverter) Quick Die Change Device (Q.D.C.) Present Counter Knockout Switch. Rubber Mount.

							OTLI -	
Model	X-25	X-35	X-45	X-60	X-80	X-110	X-160	X-200
	S H P	SHP	S H P	SHP	SHP	S H P	SHP	SHP
Capacity (Tonnage)	25	35	45	60	80	110	160	200
Length of Stroke (D)mm	80 50 35	90 60 40	110 70 45	130 80 50	150 100 60	180 110 70	200 130 80	220 150 90
⊕ ≝ Fixed Speed	90 110 140	80 100 130	70 90 120	60 80 100	60 80 100	50 70 90	40 60 80	35 50 65
Pixed Speed Variable Speed	70 80 80 110 140 180	60 70 80 95 130 170	50 60 80 85 120 160	40 55 70 75 110 150	40 50 65 75 100 140	35 45 60 65 90 125	30 35 50 50 70 100	25 30 40 45 60 85
Tonnage Rating Point (B.D.C.)mm	3.2 3.2 2.3	3.2 3.2 2.3	3.2 3.2 2.3	4 4 2.3	5 5 3.2	5 5 3.2	6 6 4	6 6 4
Die Height (D.H)mm	230 200 200	250 220 220	270 240 240	300 270 270	330 300 300	350 320 320	400 360 360	450 400 400
Adjustment of Slide(G)mm	50	50	60	70	80	90	100	110
Area of Slide(PxQ)mm	330×250	380×300	430×350	480×400	560×460	650×520	720×580	860×650
Diameter of Shank Hole mm	Ø38.1	Ø50.8	Ø50.8	Ø50.8	Ø50.8	Ø50.8	Ø65	Ø65
Area of Bolster (ExF)mm	700×320	780×400	840×440	900×520	1050×600	1150×680	1250×760	1400×840
Thickness of Bolster (T)mm	85	100	115	130	140	155	165	180
Height of Bolster (Z)mm	800	800	800	900	900	900	900	1000
Inside Measurement frame (R)mm	394	490	516	544	610	670	730	900
Motor Floor Side Adjustment HPxP	-	$\neg \neg \land \land$		0.5×4	0.5×4	0.5×4	1×4	1×4
Foot Size (AxB)mm	750×1058	830×1125	890×1210	940×1315	1050×1480	1160×1680	1300×1985	1480×2113
Main Motor Fixed Speed (HP x P)	5x4	5x4	5x4	7.5x4	10x4	10x4	15x4	20x4
Variable Speed (HP x P)	5x4	5x4	7.5x4	10x4	10x4	15x4	20x4	25x4
Motor for side adjustment (HPxP)	-	-	-	0.5x4	0.5x4	0.5x4	1X4	1X4
Foot size (AxB) m.m.	750x1058	830x1125	890x1210	940x1315	1050x1480	1160x1680	1300x1985	1480x2113
Position of Anchor Bolts(MxN)mm	620×860	730×925	790×1010	840×1115	950×1230	1060×1380	1180×1655	1360×1755
Accuracy	CNS 1st	CNS 1st	CNS 1st	CNS 1st	CNS 1st	CNS 1st	CNS 1st	CNS 1st
Die Cushion (Optional)								
Capacity (Tonnage)	2.2	2.2	3.5	3.5	6	8	10	14
Length of Stroke (mm)	50	50	70	70	80	90	100	110
Area of Pad (mm)	300×210	300×210	340×234	340×234	410×260	480×320	540×340	640×440
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# **BHAXYA**

# **"C" Type Hydraulic Power Press**

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#### STANDARD ACCESSORIES:

- Main Drive Motor
- Power Pack with All Hydraulic Component
- Electrical Control Panel with Limit Switch & Foot Paddle Switch
  Slide Adjustment Spanner

#### EXTRA ACCESSORIES

- Safety Light Curtain (SENSOR)
- Stock Counter in Panel
- Two Hand Operated Push Buttons

#### SALIENT FEATURES:

- Limit Switch to Easy Die Adjustment.
- Adjustable Hydraulic Pressure Valve for Different Work to avoid accident
- Machine All Part Move in Linear Motion to Reduce
- Maintenance
- Efficient Compact Salient Power Pack. Electrical Control Panel With Selection of Auto Inching -
- Manual Mode of Operation.
- Movable Foot Switch for Operation from Safe Position.
  Application: Punching, Stamping, Forming, Embossing, Cutting, Bending and Riveting Etc.

Model No		BHCP-10	BHCP-20	BHCP-30	BHCP-40	BHCP-50
CAPACITY IN TONS		10	20	30	40	50
Adj. Stroke Length Max	MM	75	100	150	150	150
Ram Face Size	MM	240 x 114	292 x 127	317 x 140	342 x 152	368 x 165
Punch Hole in Ram	MM	25	32	38	38	45
Hole in Bed	MM	76	82	89	95	101
Bed Size (Left to Right						
x Front to Back)	MM	432 x 228	534 x 305	585 x 355	635 x 355	685 x 406
Dist.between bed to Ram	MM	225	250	300	350	350
Stroke Per Minute (25mm Length)	SPM	60	60	60	60	60
H.P.Required	HP	2	3	3	5	5
Oil Tank (Litre)	LTR	70	80	110	110	160
Floor To Top of Bed	MM	725	750	750	750	775
Weight Approximate	Kg.	550	1050	1200	1600	2000
$H \to $						E )

Model No		BHCP-60	BHCP-80	BHCP-100	BHCP-150	BHCP-200
CAPACITY IN TONS		60	80	100	150	200
Adj. Stroke Length Max	MM	150	200	200	200	200
Ram Face Size	MM	393 x 177	444 x 190	495 x 203	622 x 241	750 x 292
Punch Hole in Ram	MM	45	50	50	80	80
Hole in Bed	MM	115	130	150	200	225
Bed Size (Left to Right						
x Front to Back)	MM	712 x 457	> 738 x 508	891 x 612	1041 x 737	1100 x 817
Dist.between bed to Ram	MM	400	400	450	500	550
Stroke Per Minute (25mm Length)	SPM	60	60	60	60	60
H.P.Required	HP	5	7.5	10	15	20
Oil Tank (Litre)	LTR	160	275	340	460	460
Floor To Top of Bed	MM	775	775	775	775	775
Weight Approximate	Kg.	2200	3000	4000	5600	8000

for more Information, scroll on

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# Mechanical Shearing Under Crank

#### **STANDARD FEATURES:**

- •The Frame & table is fabricated with solid steel plates &
- heavy cross ribbing.
- •Gear bush and rolling key is tempered.
- •Movable Foot Pedal.
- •Hand Operated Back Gauge 600 mm with micro
- calibration setting.
- •Front Sheet Support 600 mm.

#### **OPTIONAL ACCESSORIES:**

- Motorized Back Gauge with DRO
- •Hand Operated Front Gauge •Automatic Lubrication System

#### STANDARD ACCESSORIES:

Pair of four edges HCHCR D3 Material blade
Finger safety guard
Foot Pedal
Gear Cover
Fly Wheel Cover
Tool Post Key
Main Motor Drive
Starter, V-Belts & Fitting
Manual Lubrication System

Model	Cutting Cap. In	Stroke	Table	Table	Front	Rear	Motor	Blade Length x	Overall D	imension i	n MM
	MS Length x Thickness	Per Minute	Height	Width	Gauge	Gauge	HP / KW	Width x Thickness	Length	Width	Height
UCS-1	610 x 2	55	700	300	600	600	2/1.5	610 x 63 x 12	1250	1000	1100
UCS-2	1000 x 2	55	700	300	600	600	2/1.5	1000 x 63 x 12	1700	1000	1100
UCS-3	1270 x 2	55	750	350	600	600	2/1.5	1270 x 63 x 12	2000	1500	1200
UCS-4	1525 x 2	55	750	350	600	600	2/1.5	1525 x 63 x 12	2300	1500	1200
UCS-5	2030 x 2	55	750	400	600	600	3/2.2	2030 x 63 x 14	2700	1600	1200
JCS-6	2540 x 2	55	800	400	600	600	5/3.7	2540 x 63 x 14	3200	1600	1200
JCS-7	3125 x 2	55	800	400	600	600	5/3.7	3125 x 63 x 14	3800	1600	1200
JCS-8	610 x 4	50	750	350	600	600	3/2.2	610 x 63 x 14	1300	1400	1200
JCS-9	1000 x 4	50	800	350	600	600	5/3.2	1000 x 63 x 14	1750	1400	1200
JCS-10	1270 x 4	50	800	400	600	600	5/3.7	1270 x 63 x 14	2050	1500	1200
JCS-11	1525 x 4	50	900	450	600	750	5/3.7	1525 x 75 x 18	2350	1700	1300
JCS-12	2030 x 4	50	900	450	600	750	7.5/5.6	2030 x 75 x 18	2750	1700	1300
JCS-13	2540 x 4	50	900	450	600	750	10/7.7	2540 x 75 x 18	3300	1800	1350
JCS-14	3125 x 4	40	900	450	600	750	15 / 11.2	3125 x 75 x 18	3900	1800	1350

# **Hydraulic Shearing Machine**

#### SALIENT FEATURES

- Guillotine type hydraulically variable rake angle design
- Twist free & better cutting result in thin sheets at lower rake angle
- Cutting job accuracy as per DIN Standard
- Higher cutting capacity than rated capacity at higher rake angle
- The stable & robust structure from ultrasonically & tensile tested IS:2062 grade steel
- Rigid box type structure of ram & table with inclined member in direction of resultant force
- Hydraulic & electrical safety interlocks for overloading.
- NC up-gradation possible
  Bolted type Square Box assembly
- for holding cylinder mountingSpecial guided seal for holding
- cylinder to avoid leakage • All Electrical & hydraulic component from reputed make
- Ram guided six hardened & grounded guide rollers
- Suitable for upgradation with special optional features.



#### **NC/CNC VALUE ADDITION**

- 5.7" Touch Screen Shear Controller from CYBELEC/DELEM
- User friendly Colour LCD Screen for easy programming
   AC Servo drive from SCHNEIDER / PANASONIC for Hi-Speed back gauge movement
- High-Speed back gauge assembly with Ball screw & timer belt
- · Repeated position accuracy in 0.1mm

- Multiple back gauge position with stroke counting on screen
- Automatic Rake angle adjustment by controller
- Automatic back gauge retraction after holding the sheet
- Multi Step positions on back gauge with desired no. of strokes on each position
- The back gauge is equipped with hardened ball screw & LM Guidees



for more Information, scroll on

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	Length Cutting			g Capac Rake A		Nominal Rake Angle	Rake Angle range		Angle per min	No. of	Holding Force	Power	Packing Dimension	Weigh
Model	in mm	ר M.s		ess in m S.		in degree	in degree	Min.	Max.	Hold downs	in Kg.	in HP	(LXWxH) in mm	Kg.
HFR 215	1500	2	2	1.25	1.25	1°12'	1°12'	16	16	•	тм -	3	2000X1000X1250	1300
HFR 220	2000	2	2	1.25	1.25	1°12'	1°12'	12	12	N-Th	< -	3	2500X1250X1500	1700
HFR 225	2500	2	2	1.25	1.25	1°12'	1°12'	10	10	NI	<u> </u>	3	3000X1250X1850	2500
HVR 312	1250	3.15	4	2	3.15	1°30'	0.5-2°	16	11	8	1200	3	1700X1250X1950	2000
HVR 315	1500	3.15	4	2	3.15	1°30'	0.5-2°	15	10	9	1500	3	2200X1250X1950	2500
HVR 320	2000	3.15	4	2	3.15	1°30'	0.5-2°	14	8	11	2000	3	2700X1250X1950	3000
HVR 325	2500	3.15	4	2	3.15	1°30'	0.5-2°	19	11	13	2300	5	3200X1250X2000	3700
HVR 330	3000	3.15	4	2	3.15	1°30'	0.5-2°	18	9	16	2600	5	3700X1400X2100	4250
HVR 340	4000	3.15	4	2	3.15	1°30'	0.5-2°	15	8	20	3200	7.5	4700X1500X2250	6000
HVR 415	1500	4	6	3	4	1°37'	0.5-3°	23	13	9	4500	7.5	2250X1250X2050	3200
HVR 420	2000	4	6	3	4	1°37'	0.5-3°	23	11	11	6200	7.5	2750X1250X2100	3700
HVR 425	2500	4	6	3	4	1°37'	0.5-3°	20	9	13	8000	7.5	3300X1400X2250	4200
HVR 430	3000	4	6	3	4	1°37'	0.5-3°	23	10	16	10000	7.5	3700X1500X2400	5250
HVR 440	4000	4	6	3	4	1°37'	0.5-3°	23	8	20	12000	10	4700X1650X2600	7200
HVR 615	1500	6	8	4	6	1°45'	0.5-3°	22	13	9	6500	10	2250X1300X2100	3250
HVR 615	2000	6	0 8	4	6	1°45'	0.5-3°	23	13	9	6500	10	2750X1350X2150	4250
HVR 620	2500	6	0 8	4	6	1°45'	0.5-3°	22	9	13	8500	15	3300X1500X2300	4250 5250
		6	<u> </u>	4					9	13				
HVR 630	3000		8		6	1°45'	0.5-3°	20		20	10800	15	3800X1650X2500	5750
HVR 640	4000	6	8	4	6	1°45'	0.5-3°	22	9		13600	20	4800X1700X2750	8250
HVR 650	5000	6	8	4	6	1°45'	0.5-3°	21	7	24	16500	20	5700X1800X2850	11500
HVR 660	6300	6	8	4	6	1°45'	0.5-3°	18	6	28	19500	20	6700X1900X2950	14500
HVR 815	1500	8	10	6	8	2°	0.5-3°	15	8	9	10500	10	2250X1350X2100	4750
HVR 820	2000	TM 8	10	6	8	2°	0.5-3°	15	6	11	12000	15	2750X1450X2250	5700
HVR 825	2500	8	10	6	8	2°	0.5-3°	18	8	13	16500	20	3300X1650X2450	6500
HVR 830	3000	8	10	6	8	2°	0.5-3°	17	6	16	18500	20	3800X1800X2600	7000
HVR 840	4000	8	10	6	8	2°	0.5-3°	15	5 TM	20	23000	20	4800X1850X2800	9500
HVR 850	5000	8	10	6	8	2°	0.5-3°	18	6	24	27000	25	5750X1950X2900	12250
HVR 860	6300	8	10	6	8	2°	0.5-3°	15	5	30	31000	25	6750X2100X3100	17000
HVR 1015	1500	10	12	8	10	2°	0.5-3°	12	6	8	10500	10	2250X1350X2200	5000
HVR 1020	2000	10	12	8	10	2°	0.5-3°	13	5	- 11 /	13000	15	2750X1500X2300	6000
HVR 1025	2500	10	12	8	10	2°	0.5-3°	13	5	13	17500	20	3300X1650X2500	6750
HVR 1030	3000	10	™12	8	10	2°	0.5-3°	12	4	16	20000	20	3800X1850X2750	9000
HVR 1040	4000	10	12	8	10	2°	™ 0.5-3°	18	6	20	25000	25	4800X1950X2850	12000
HVR 1050	5000	10	12	8	10	2°	0.5-3°	14	5	24	30000	30	5750X2050X3000	15000
HVR 1060	6300	10	12	8	10	2°	0.5-3°	13	4	28	35000	30	6750X2200X3300	22000
HVR 1320	2000	13	16	10	13	2°	1-3°	13	6	/ _ 11	16000	25	2850X1800X2600	9000
HVR 1325	2500	13	16	10	13	2°	1-3°	9	5	13	20000	25	3350X1900X2750	10000
HVR 1330	3000	13	16	10	13	2°	1-3°	8	4	16	25000	25	3800X1950X2850	11500
HVR 1340	4000	13	16	10	13	2°	1-3°	7	3	20	30000	30	4800X2000X2950	16000
HVR 1350	5000	13	16	10	13	2°	1-3°	9	4	24	35000	40	5750X2150X3150	21000
HVR 1360	6300	13	16	10	13	2°	1-3°	8	4	28	40000	40	6750X2300X3500	28000
HVR 1620	2000	16	20	13	16	2°	1-3°	9	5	11	20000	30	3000X1900X2800	10500
HVR 1625	2500	16	20	13	16	2°	1-3°	9	4	13	25000	30	3500X2000X2900	12250
HVR 1630	3000	16	20	13	16	2°	1-3°	8	4	16	28000	30	4000X2000X3000	14500
HVR 1640	4000	16	20	13	16	2°	1-3°	6	3	20	33000	30	4800X2050X3100	19000
HVR 1650	5000	16	20	13	16	2°	1-3°	7	3	20	38000	40	5750X2250X3300	26000
HVR 1660	6300	16	20	13	16	2°	1-3°	6	3	24	43000	40	6750X2350X3700	31500
HVR 2025	2500	20	25	16	20	2°	1-3°	6	3	13	28000	40	3500X2000X3000	16000
HVR 2023	3000	20	25	16	20	2°	1-3°	6	2	15	35000	40	4000X2100X3200	19500
HVR 2030	4000	20	25	16	20	2°	1-3°	5	2	20	40000	50	4000X2100X3200 4800X2200X3300	23500
HVR 2040 HVR 2050			25		<u> </u>	2°	1-3 1-3°	6	3	W2			5800X2350X3500	
	5000	20		16	20	2°				24	45000	60	6800X2450X4100	30000
HVR 2060	6300	20	25	16	20		1-3°	5	2	28	50000	60		36000
HVR 2525	2500	25	30	20	25	2°	1-3°	5	3	13	36000	60	3400X2250X3300	22000
HVR 2530	3000	25	30	20	25	2°	1-3°	4	2	16	45000	60	4000X2300X3300	25500
HVR 2540	4000	25	30	20	25	2°	1-3°	5	2	20	50000	75	5000X2300X3500	31000
HVR 2550	5000	25	30	20	25	2°	1-3°	4	2	24	55000	75	6000X2450X3700	36000
HVR 2560	6300	25	30	20	25	2°	1-3°	3	1	28	60000	75	7000X2600X4300	42000

#### **STANDARD ACCESSORIES - HYDRAULIC**

- Electric control panel
- Hardened transfer bars mounted on table
- Rake angle selection through selector switch Lever operated blade clearance with calibration
- Fine stroke adjustment rod with limit switch
- Back gauge on double guide rods & lead screw
- Front sheet support
- Squaring arm with steel ruler on left side
- Hold down cylinders mounted on machine
- Four edge HCHCr blade suitable to cut MS & SS Material\*\*
- Manual back gauge

#### **STANDARD ACCESSORIES – NC/CNC**

- 5.7" Touch Screen shear controller from CYBELEC / DELEM
- Electric control panel
- Automatic rake angle adjustment
- Lever operated blade gap adjustment on NC Shear
   Automatic blade gap adjustment on CNC Shear
- · Hardened ground ball screw & LM Guides
- Stroke adjustment through screen
- Front Sheet support
- Squaring arm with steel rule on left side
  Hardened transfer bars mounted on table
- Hold down cylinders mounted on machine
- · Cutting area illuminated for clear view on blades
- · Four edge HCHCr blade suitable to cut MS & SS Material\*\*

#### **OPTIONAL ACCESSORIES**

- (Hy. Shearing machine without NC)
- Motorized back gauge with DRO.
- Second squaring arm on other side.
- Front support with roller according to
- required length. Rear Sheet support.
- Timer belt drive for back gauge.
  - Ball Transfer Table.
  - Degree protector for angular cutting.
- Stroke counter.
  - Design with throat depth.
  - First fill of Hydraulic oil.

#### Specifications are subject to changed without prior notice.

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NC Swing-Beam Hydraulic Shearing Machine (NCS Series)

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#### **STANDARD FEATURES:**



**High Tensile Strength Hold Downs** 



**France Schneider Electric Controls** 



Germany Bosch Rexroth Hydraulic System



Germany Siemens Motor with Sunny Pump

**Backgauge Motor** 

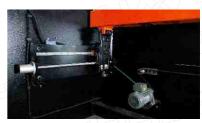
**Manual Blade Gap Adjustment** 



**ESTUN E21S Control System** 



**Pipe Connectors** 



Taiwan Linear Guide and Ball Screw



Specifications are subject to changed without prior notice.

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	1m									( ) ) / N		- 5
	Model	Thic	Cuttin kness	<b>~</b>	Cutting Length	Cutting Angle	Backgauge Range (mm)	Stroke Number	Main Motor	Oil Tank	Weight (kg)	Overall Dimensions (mm)
		l	MS	SS	(mm)	(°)		(times/min)	(kW)	(L)		
T	4*2500	111.	4	2	2500	1.5	20-600	15	47/	250	3200	3200*1600*1600
	4*3200		4	2	3200	1.5	20-600	15	5.5	250	4800	3900*1600*1600
	4*4000		4	2	4000	1.5	20-600	10	5.5	250	6700	4700*1600*1600
	6*2500		6	4	2500	1.5	20-600	15	7.5	250	4800	3200*1650*1800
$\mathcal{F}$	6*3200		6	4	3200	1.5	20-600	12	7.5	250	5600	3900*1650*1800
	6*4000		6	4	4000	1.5	20-600	9	7.5	320	7700	4700*1650*1800
	8*2500		8	5	2500	1.5	20-600	14	11	250	5300	3200*1700*1850
	8*3200		8	5	3200	1.5	20-600	10	11	250	7000	3900*1700*1850
	8*4000		8	5	4000	1.5	20-600	9	11	250	8500	4700*1700*1850
	10*2500		10	6	2500	1.5	20-600	10	15	250	7000	3200*1850*1900
	10*3200		10	6	3200	1.5	20-600	2 1 19 1/2	15	250	8000	3900*1850*1900
	10*4000		10	6	4000	1.5	20-600	8	15	530	9600	4700-1850-1900
~	12*2500		12	7	2500	1.75	20-800	12	18.5	250	8500	3200*2050*2150
	12*3200		12	7	3200	1.75	20-800	10	18.5	570	11000	3900*2050*2150
	12*4000		12	7/1/6	4000	1.75	20-800	8	18.5	570	13400	4700*2050*2100
	16*2500		16	9	2500	2.5	20-800	11	22	400	10500	3250*2290*2180
	16*3200		16	9	3200	2	20-800	10	22	400	12000	3870*2300*2180
	16*4000		16	9	4000	1.75	20-800	8	22	600	17300	4700*2570*2200
	16*5000		16	TM 9	5000	2.5	20-800	6	30	600	24000	5900*2600*2700
	16*6000		16	9	6000	2.5	20-800	5	30	600	32500	6600*2700*2900
	20*2500		20	12	2500	2.5	20-800	8	30	500	13700	3300*2580*2300
	20*3200		20	12	3200	2.5	20-800	7	30	500	15000	4150*2600*2500
	20*4000		20	12	4000	2.5	20-800	5	30	550	22000	4850*2600*2800
	25*2500		25	14	2500	3	20-800	7	37	550	16000	3200*2700*2900
TM	25*3200		25	14	3200	331	20-800	5	37	600	23000	4200*2700*3000

#### FEAUTRES:

- Steel plate welded structure, hydraulic transmission, nitrogen cylinder return, convenient operation, reliable performance, beautiful appearance.
- Edge adjustment signs, adjusts lightly and quickly, continuously variable transmission.
- Lighting device on the line, and continuously variable adjustment of upper carrier itinerary.
- Fence type safety protection device
- Back gauge adopts MD11 CNC, with low noise and high precision. Option: E21S, E200PS, DAC 310.



BHAYY

#### **OPTIONAL NUMERIC-CONTROL SYSTEM**



E21S

E200S



# **Hydraulic Press Brake Machine**

#### SALIENT FEATURES

- The Stable robust welded steel frame made of ultrasonically tested IS 2062 plates as per guidelines of IMTMA Standards.
- Fast approach & fast return speed to save cycle time, slow pressing speed for better stroke control & bending accuracy, ensures high productivity
- Compact Cylinders & low pressure system due to rear cylinders.
- Better rigidity & load carrying capacity against fatique failure.
- Positive synchronisation of cylinders with welded torque tube.
- Moving work station with ON/OFF Controls. Emergency push button & selector for Manual, Semi-Auto & Automatic mode for easy operation & Safety.
- Better Safety for operator & machine.
- Low power consumption.
- NC upgradation available.
- Low Noise & Smooth Operation give higher efficiency of operator.

#### **NC VALUE ADDITION**

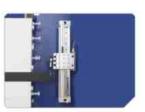
- 5.7" Colour graphic LED back light screen
- Two axis automatic control - bending degree (Y Axis) & back gauge (X Axis) program
- Multiple bends with different back gauge positions can be programmed
- 200 programs & 24 bends with individual back gauge positions in program
- The back gauge position accuracy in 0.1mm
- Bend angle & depth mode program can be possible
- Programmable back gauge retraction
- Programmable angle correction & back gauge correction
- Programmable open height on each bend
- Job counter on screen
- Suitable for complex job bending
- Quick changeover for sample production & mass production
- Suitable for upgradation with special optional features •



Optional Cyb touch 6 - touch screen two axis controller from Cybelec - Switzerland



High-speed back gauge with AC Servo Drive, Ball Screw, LM Guides & Timer belt.



Highly precise 5 micron press brake scale for Y-axis positioning



Optional hardened & grounded multi-v die & punch with quick release clamps.

MODEL	Tonnage	Table Length	Bending	Capacity	Table Width	Clear Pass	Ram Stroke	Open Height	Throat Depth	Approach Pressing Return Speed	Power	Packing Dimensions	Weight Kg.
	in MT	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		HP	(LxWxH)	LLD
PBR 315	30	1500	2X1500	3X1250	125	1050	100	250	200	37-5-35	3	1700X1150X1900	1500
PBR 320	30	2000	2X2000	3X1250	125	1550	100	250	200	37-5-35	3	2200X1150X1900	1750
PBR 325	30	2500	1.5X2500	2X2000	125	2050	100	250	200	37-5-35	3	2700X1650X2400	2100
PBR 415	40	1500	3X1500	4X1250	180	1050	100	250	200	55-7-53	5	1700X1150X1800	1800
PBR 420	40	2000	2.5X2000	3X1500	180	1550	100	250	200	55-7-53	5	2200X1150X1800	2100
PBR 425	40	2500	2X2500	3X1500	180	2050	100	250	200	55-7-53	5	2700X1150X1900	2500
PBR 430	40	3000	1.6X3000	2X2500	180	2550	100	250	200	55-7-53	5	3200X1150X2000	3000
PBR 515	50	1500	4X1500	5X1250	180	1050	100	250	200	55-7-53	5	1700X1150X1900	2250
PBR 520	50	2000	3X2000	4X1500	180	1550	100	250	200	55-7-53	5	2200X1150X1900	2600
PBR 525	50	2500	2.5X2500	3X2000	180	2050	100	250	200	55-7-53	5	2700X1150X1900	3000
								250	200	55-7-53	5		3500
PBR 530	50	3000	2X3000	2.5X2500	180	2550	100					3200X1150X2000	
PBR 620	65	2000	4X2000	5X1500	180	1550	150	330	200	49-5-33	5	2200X1200X2000	2750
PBR 625	65	2500	3X2500	4X2000	180	2050	150	330	200	49-5-33	5	2700X1200X2000	3250
PBR 630	65	3000	2.5X3000	3X2500	180	2550	150	330	200	49-5-33	5	3200X1200X2000	3750
PBR 640	65	4000	2X4000	2.5X3000	180	3100	150	330	200	49-5-33	5	4200X1250X2400	4400
PBR 820	80	2000	5X2000	6X1500	180	1550	150	330	200	31-5-34	7.5	2200X1550X2100	3700
PBR 825	80	2500	4X2500	5X2000	180	2050	150	330	200	31-5-34	7.5	2750X1550X2300	4250
PBR 830	80	3000	3X3000	4X2500	180	2550	150	330	200	31-5-34	7.5	3250X1550X2300	4800
PBR 840	80	4000	2.5X4000	3X3000	180	3100	150	330	200	31-5-34	7.5	4250X1650X2500	6000
PBR 850	80	5000	5X5000	2.5X4000	180	4100	150	330	200	31-5-34	7.5	5300X1650X2500	8000
PBR 1025	100	2500	5X2500	6X2000	180	2050	150	330	200	29-04-31	10	2700X1550X2300	4850
PBR 1030	100	3000	4X3000	5X2500	180	2550	150	330	200	29-04-31	10	3250X1550X2300	5500
PBR 1040	100	4000	3X4000	4X3000	180	3100	150	330	200	29-04-31	10	4250X1650X2500	7000
PBR 1050	100	5000	2.5X5000	3X4000	180	4100	150	330	200	29-04-31	10	5300X1700X2800	9000
PBR 1060	100	6000	2X6000	2.5X5000	180	5100	150	330	200	29-04-31	10	6300X1750X2900	12000
	125	2500	6X2500	8X2000	230	2050	150	350	300	29-04-31	15	2750X1650X2700	5750
PBR 1225													
PBR 1230	125	3000	5X3000	6X2500	230	2550	150	350	300	20-04-41	15	3250X1650X2500	6500
PBR 1240	125	4000	4X4000	5X3000	230	3100	150	350	300	20-04-41	15	4250X1650X2600	8000
PBR 1250	125	5000	3X5000	4X4000	230	4100	150	350	300	20-04-41	15	5300X1750X2900	11500
PBR 1260	125	6000	2.5X6000	3X5000	230	5100	150	350	300	20-04-41	15	6300X1800X3000	14500
PBR 1625	160	2500	8X2500	10X2000	230	2050	150	350	300	25-06-42	15	2750X1800X2500	6500
PBR 1630	160	3000	6X3000	8X2500	230	2550	150	350	300	25-06-42	15	3250X1800X2600	7500
PBR 1640	160	4000	5X4000	6X3000	230	3100	150	350	300	25-06-42	15	4300X1800X2700	10500
PBR 1650	160	5000	4X5000	5X4000	230	4100	150	350	300	25-06-42	15	5300X1850X3000	14000
PBR 1660	160	6000	3X6000	4X5000	230	5100	150	350	300	25-06-42	15	6300X1900X3200	17500
PBR 2025	200	2500	10X2500	12X2000	300	2050	200	400	300	22-04-58	20	2850X1900X2600	10000
PBR 2030	200	3000	8X3000	10X2500	300	2550	200	400	300	22-04-58	20	3350X2050X2750	11000
PBR 2040	200	4000	6X4000	8X3000	300	3100	200	400	300	22-04-58	20	4350X2050X2800	12500
PBR 2050	200	5000	5X5000	6X4000	300	4100	200	400	300	22-04-58	20	5350X2100X3100	15500
PBR 2050	200	6000	4X6000	5X5000	300	5100	200	400	300	22-04-58	20	6350X2200X3500	19500
PBR 2000 PBR 2530	200	3000	10X3000	12X2500	300	2550	200	400	300	22-04-58	20	3350X2100X2800	19500
						2550		400				4350X2000X2900	
PBR 2540	250	4000	8X4000	10X3000	300		200		300	22-04-58	20		20500
PBR 2550	250	5000	6X5000	5X4000	300	4100	200	400	300	22-04-58	20	5350X2150X3200	16250
PBR 2560	250	6000	5X6000	6X5000	300	5100	200	400	300	22-04-58	20	6350X2250X3600	20500
PBR 3030	300	3000	12X3000	14X2500	300	2550	200	400	300	22-03-25	25	3350X2150X2900	12500
PBR 3040	300	4000	10X3500	12X3000	300	3100	200	400	300	30-06-40	25	4350X2150X2900	14000
PBR 3050	300	5000	8X5000	10X4000	300	4100	200	400	300	30-06-40	25	5350X2200X3400	19250
PBR 3060	300	6000	6X6000	8X4500	300	5100	200	400	300	30-06-40	25	6350X2300X3800	22000
PBR 4030	400	3000	16X3000	20X2500	300	2550	250	500	350	25-05-40	30	3350X2200X3000	16000
PBR 4040	400	4000	12X4000	16X3000	300	3100	250	500	350	25-05-40	30	4350X2200X3000	20500
PBR 4050	400	5000	10X5000	12X4000	300	4100	250	500	350	25-05-40	30	5350X2250X3600	24500
PBR 4060	400	6000	8X6000	10X5000	300	5100	250	500	350	25-05-40	30	6350X2350X4000	29500
PBR 5030	500	3000	20X3000	25X2500	300	2550	250	500	350	25-5-30	40	3350X2200X3200	19500
PBR 5040	500	4000	16X4000	20X3000	300	3100	250	500	350	25-5-30	40	4500X2200X3300	23500
PBR 5050	500	5000	14X5000	16X4000	300	4100	250	500	350	25-5-30	40	4300X2200X3300 5350X2400X3900	29500
PBR 5050													
	500	6000	10X6000	14X5000	300	5100	250	500	350	25-5-30	40	6350X2500X4250	34000
PBR 6030	600	3000	25X3000	30X2500	300	2550	250	500	350	25-5-30	50	3350X2200X3300	24000
	600	4000	18X4000	25X3000	300	3100	250	500	350	25-5-30	50	4500X2200X3500	29000
PBR 6040 PBR 6050	600	5000	14X5000	18X4000	300	4100	250	500	350	25-5-30	50	5350X2300X3700	34500

**D** 

STANDARD ACCESSORIES - HYDRAULIC	STANDARD ACCESSORIES (NC CONTROL)
Main Drive Motor	<ul> <li>Y &amp; X two axis control thru NC controller</li> </ul>

#### Main Drive Motor.

- Electrical control panel with selection of 'AUTO', 'INCH' & 'SINGLE CYCLE AUTO' mode operations.
- Movable work station with pair of foot switch.
- Pair of lifting links.
- · Pair of sheet support.
- · Fine stroke adjustment rod with limit switch.
- Manual back gauge with micro setting. • One suitable five way die & Punch of
- EN-9\*\* .(unhardened and ungrounded)
- Centralized lubrication system with flow
- control valves for adequate lubrication. Ram tilting arrangement on selected models.
- correction and the bend allowance. 50 Punch / 50 dies data
- 200 X 24 sequence bend program memory 10 different material programs
- Part counter with auto-stop?
- AC servo drives for X-axis control.
- Back gauge assembly included ball screw & LM guides & Timer belt.

Cyb Touch 6 P controller from Cybelec Switzerland
5.7" color graphic CRT Touch screen 640 x 480 pixels with LED backlight control
Automatic calculation of the bend depth, the back gauge positioning, the angle

- 5 micron accuracy Guided Press Brake Scale for Y-axis position measurement. Movable workstation with pair of foot switch.
- One suitable five way die & punch (UN hardened & Ungrounded) Centralized lubrication system with hand pump.
- Pair of sheet support.

#### **OPTIONAL ACCESSORIES** (Hy. Press Brake without NC)

- AC servo drives for R-axis & Z-axis control of back gauging.
- Anti deflection unit (Manual / Motorized / Automatic)

**BHXYX** 

- Sliding sheet support with Swing away stoppers.
- Hardened tools & special tools.\*\*
- Hydraulic tool clamping.
- Photo electric fingers safety guard. Higher throat depth.
- Automatic lubrication system.
- · Fast cycling models for high productivity
- First fill of hydraulic oil.

## NC Front Cylinder Hydraulic Press Brake Machine (NCF Series)



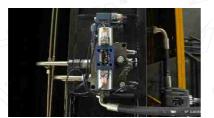
#### **STANDARD FEATURES:**



Fast Clamp



**France Schneider Electric Control** 



Germany Bosch Rexroth Hydraulic System

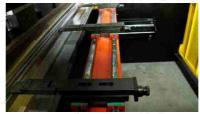
Specifications are subject to changed without prior notice.



**Foot Pedal Switch** 



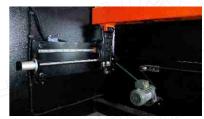
Germany Siemens Motor with Sunny Pump



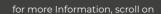
Stop Finger



**E21 Control System** 



Taiwan Linear Guide and Ball Screw



Model	Bending Force (Ton)	Length of Table (mm)	Bendi Thickne MS		Upright Distance (mm)	Throat Depth (mm)	Stroke (mm)	Open Height (mm)	Main Motor (kW)	Oil Tank (L)	Weight (kg)	Overall Dimension L x W x H (mm)
30T/1600	30	1600	2.5	1.5	1150	180	80	250	3	65	1200	1800*1050*1700
40T/1600	40	1600	3	2	1150	250	100	350	4	130	2500	1800*1340*2000
40T/2500	40	2500	2	1	2050	250	100	350	4	130	3500	2700*1340*2000
63T/1600	65	1600	5	3	1150	250	120	350	5.5	140	3200	1800*1440*2200
63T/2500	65	2500	3	2	2050	250	120	350	5.5	140	4600	2700*1380*2250
80T/2500	80	2500	4	2	2050	250	120	350	7.5	150	4800	2700*1450*2250
80T/3200	80	3200	3	2	2600	250	120	350	7.5	150	5200	3400*1450*2250
100T/2500	100	2500	5	3	2050	320	150	400	7.5	220	6000	2700*1500*2420
100T/3200	100	3200	4	2	2600	320	150	400	7.5	220	6800	3400*1500*2420
100T/4000	100	3200	3	2	3250	320	150	400	7.5	250	8000	4200*1500*2420
125T/2500	125	2500	6	4	2050	320	150	400	11	220	6300	2700*1550*2450
125T/3200	125	3200	5	3	2600	320	150	400	11	220	7000	3400*1550*2450
125T/4000	125	4000	4	2	3250	320	150	400	11	250	8200	4200*1550*2450
160T/3200	160	3200	6	4	2600	320	200	460	11	260	9100	3400*1700*2520
160T/4000	160	4000	5	3	3250	320	200	460	11	285	11000	4200*1700*2520
200T/3200	200	3200	8	5	2600	320	200	460	15	470	9500	3400*1800*2550
200T/4000	200	4000	6	4	3250	320	200	460	15	550	12500	4200*1800*2550
200T/6000	200	6000	4	2	4800	320	200	460	15	550	18800	6200*1900*3100
250T/3200	250	3200	10	6	2500	400	250	550	18.5	470	13300	3700*2150*3000
250T/4000	250	4000	8	4.5	3100	400	250	550	18.5	540	15000	4500*1950*2780
250T/6000	250	6000	5	3	4800	400	250	550	18.5	540	20000	6500*2050*3200
300T/3200	300	3200	12	7	2500	400	250	560	22	540	15000	3700*2180*3100
300T/4000	300	4000	9	5.5	3100	400	250	560	22	540	16500	4500*2250*3200
300T/5000	300	5000	7	4	3800	400	250	560	18.5	550	23500	5500*2200*3200
300T/6000	300	6000	6	4	4800	400	250	560	18.5	560	26500	6000*2200*3200
400T/4000	400	4000	12	7	3300	400	250	580	22	540	25500	4000*2400*3200
400T/5000	400	5000	10	6	3800	400	250	580	22	550	31500	5000*2400*3200
400T/6000	400	6000	8	5	4400	400	250	580	22	550	34000	6000*2400*3200
500T/4000	500	4000	15	9	3300	500	320	620	30	620	32000	4000*2650*3200
500T/5000	500	5000	12	7	3800	500	320	620	30	620	36000	5000*2650*3200
500T/6000	500	6000	10	6	4410	500	320	620	30	620	39000	6000*2700*3200
600T/4000	600	4000	19	11	3300	500	320	620	37	650	44000	4000*2700*3200
600T/5000	600	5000	15	7	3800	500	320	620	37	650	48000	5000*2700*3250
600T/6000	600	6000	12.5	7	4600	500	320	620	37	650	54000	6000*2700*330 0
600T/7000	600	7000	10	6	5400	500	320	620	37	650	60000	7000*2900*3500

#### FEAUTRES:

- Standard two axis control (Y, X)
- Mechanical torque synchronization
- Domestic famous hydraulic integrated system
- Schneider or Siemens low-voltage electrical
- Inverter control motor operation
- Imported seals
- Ball screw back gauge operation control
- Standard upper and lower molds (upper inclined block type deflection compensation)
- Front material supporting frame Option :E21 or MD320 CNC



**BHXXX** 



Backgauge



All Precision Machines Under One Roof

# **CNC Press Brake**



#### STANDARD FEATURES:



Germany Siemens Motor with Sunny Pump



**Fagor Grating Roller** 

**Stop Finger** 



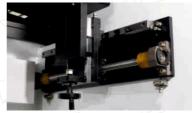
Table Crowning



**Germany Hawe System** 



Front Support with Linear Guide



Linear Guide and Ball Screw



**France Schneider Electric Control** 



Fast Clamp



Model		Bending Force	Length of Table (mm)	Bend Thick		Upright Distance	Throat Depth (mm)	Stroke (mm)	Open Height (mm)	Main Motor (kW)	Oil Tank	Weight (kg)	Overall Dimension L x W x H (mm)
		(Ton)		MS	SS	(mm)					(L)		
50T/1300	P	50	1300	5	3	1120	250	150	460	5.5	130	4500	1800*1500*2300
70T/1600		70	1600	5	3	1300	300	150	460	5.5	130	5300	2300*1600*2500
70T/2500		70	2500	3	2	2050	300	150	460	5.5	200	6000	3100*1600*2500
80T/2500		80	2500	4	2	2050	300	150	460	7.5	200	6500	3100*1600*2600
110T/2500		110	2500	5	3	2050	400	200	480	11	200	8500	3800*1800*2600
110T/3200		110	3200	4	2	2700	400	200	480	11	200	9000	3800*1800*2600
110T/4000		110	4000	3	2	3100	400	200	480	11	200	9500	4600*1800*2600
135T/3200		135	3200	5	3	2700	400	200	480	11	200	10000	3800*1800*2600
135T/4000		135	4000	4	2	2700	400	200	480	11	200	11000	4600*1800*2700
170T/3200		170	3200	6	4	2700	450	200	480	15	300	11800	3800*2000*2800
170T/4000		170	4000	5	3	3100	450	200	480	15	300	13000	4600*2000*2800
220T/3200		220	3200	8	5	2600	450	200	480	18.5	300	13000	3800*2200*2850
220T/4000		220	4000	6	4	3100	450	200	480	18.5	300	15000	4600*2200*2850
250T/3200		250	3200	10	6	2600	450	250	540	22	430	16500	3800*2000*2900
250T/4000		250	4000	8	4.5	3100	450	250	540	22	430	18800	4600*2100*3100
250T/5000		250	5000	6	4	3800	450	250	540	22	430	23000	5600*2150*3150
300T/3200		300	3200	12	7	2600	500	250	570	22	820	19500	3800*2250*3200
300T/4000		300	4000	9	5.5	3100	500	250	570	22	820	22000	4600*2500*3400
300T/5000		300	5000	7	4	3800	500	250	570	22	820	24800	5600*2000*3400
300T/6000		300	6000	6	4	4800	500	250	570	22	820	28900	6600*2500*3400
400T/3200		400	3200	15	9	2600	500	250	620	30	950	26000	3800*2700*3500
400T/4000		400	4000	12	7	3100	500	250	620	30	950	30000	4600*2700*3500
400T/5000		400	5000	10	6	3800	500	250	620	30	950	32000	5600*2700*3500
400T/6000		400	6000	8	5	4800	500	250	620	30	950	34000	6600*2700*3500
500T/4000		500	4000	15	9	3100	500	300	620	37	950	48000	4600*2700*3500
500T/5000		500	5000	12	7	3800	500	300	620	37	950	50000	5600*2700*3500
500T/6000		500	6000	10	6	4800	500	300	620	37	950	52000	6600*2700*3600
600T/4000		600	4000	19	11	3100	600	320	650	45	1300	50000	4600*3300*3900
600T/5000		600	5000	15	7. <	3800	600	320	650	45	1300	55000	5600*3300*3900
600T/6000		600	6000	12.5	7	4800	600	320	650	45	1300	60000	6600*3300*3900
600T/7000		600	7000	10	6	5600	600	320	650	45	1300	66000	7600*3300*3900

#### FEAUTRES:

- CNC sheetmetal press brake with streamlined design, high speed, high precision, high rigidity
- Electro hydraulic servo system, full loop controlling the synchronization of the upper slider
- Vechanical compensation on crowning of worktable and deformation compensation on throat, ensuring good bending strength and precision
- Backgauge is driven by digital AC servo motor, moved with ball screw,guided by linear guide.

#### **OPTIONAL CNC CONTROL**



DA-66T (DELEM)



BHAYY

DA53T Control System



KY-S640 (ESA)

Specifications are subject to changed without prior notice.

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for more Information, scroll on

**CYBTOUCH12 (CYBELEC)** 

# Mechanical Plate Bending 3 roll Pyramid Type

Range : 3 to 30 mm Length : 1500 to 4000 mm

**BHAXYA** 

The PBM series 3 Roll Pyramid Type Mechanical Plate bending are designed to cater the basic requirements of bending & forming of metal plates. In this machine, the bottom rolls are driven by electric motor & gear box. The upper roll is having manual up & down adjustment to achieve desired bending radius. This is a very simple & robust design machine suitable for light to medium jobs.

#### PBM SERIES (HYDRO-MECHANICAL) SALIENT FEATURES

- 3 roll PYRAMID type design machine
- The robust welded structure is made of
- UT tested IS:2062 M.S. plates
- The top roll adjustment is by Hydraulic Cylinder
- Bottom rolls are power driven
- Bending rolls are made of alloy steel

#### **Standard Accessories**

- Main drive motor
- Reverse / Forward roll drive with overload protection
- Manual Centralized lubrication system
- Gearbox attached with Electric Motor
- Hydraulic end dropper arrangement

#### **Optional Accessories**

- Hardened Rolls
- Grounded Rolls
- Automatic lubrication system
- Extended shaft with profile bending rolls
- Conical bending arrangement
- Material feed table
- Digital Readouts

#### PBM SERIES (MECHANICAL) SALIENT FEATURES

- 3 roll PYRAMID type design machine
- The robust welded structure is made of UT tested IS:2062 M.S. plates
- The top roll adjustment is by Screw Jack
- Bottom rolls are power driven
- Bending rolls are made of alloy steel

#### **Standard Accessories**

- Main drive motor
- Reverse / Forward roll drive with overload protection
- Manual Centralized lubrication system
- Gearbox attached with Electric Motor
- Manual end dropper arrangement

#### **Optional Accessories**

- Hardened Rolls
- Grounded Rolls
- Automatic lubrication system
- Extended shaft with profile bending rolls
- Conical bending arrangement
- Material feed table
- Digital Readouts

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# Hydro-Mechanical Plate Bending 3 roll Pyramid Type

Range : 4 to 50 mm Length : 1500 to 4000 mm

The PBM Series 3 Roll Pyramid Type Hydro Mechanical Plate Bending Machines are designed with top roll UP & DOWN movement by hydraulic cylinder. This saves time & labor to adjust top roll. This feature makes the machine more productive and suitable for handling heavy jobs. Dropper end movement is done by hydraulic cylinder.

Model	Bending Length (mm)	Bending Thickness (mm)	Top Roll Diameter (mm)	Bottom Roll Diameter (mm)	Min. Rolling Diameter (mm)	Motor Power (HP)	Plate Rolling Speed (Mtr./min)	Overall Dimension (LxWxH) (mm)
IM PBM 312	1250	3	110	100	220	30 + 1.5	5.0	4000 X 1000 X 1400
IM PBM 315	1500	3	120	100	240	3 + 1.5	5.0	4250 X 1000 X 1450
IM PBM 320	2000	3	130	105	260	3 + 1.5	5.0	4750 X 1000 X 1500
IM PBM 325	2500	3	140	115	280	5 + 2	5.0	5250 X 1150 X 1550
M PBM 330	3000	7 M 3	160	135	320	7.5 + 2	4.5	6000 X 1200 X 1700
M PBM 415	1500	4	130	105	260	3 + 1.5	5.5	4300 X 1100 X 1500
M PBM 420	2000	4	140	115	280	5 + 2	5.0	4800 X 1100 X 1550
M PBM 425	2500	4	160	135	320	7.5 + 2	4.5	5300 X 1150 X 1700
M PBM 430	3000	4	180	150	360	7.5 + 2	4.5	6000 X 1200 X 1800
M PBM 615	1500	6	140	115	280	5 + 2	5.0	4300 X 1100 X 1600
M PBM 620	2000	6	160	135	320	7.5 + 2	4.5	4900 X 1150 X 1700
M PBM 625	2500	6	180	150	360	7.5 + 2	4.5	5500 X 1150 X 1700
M PBM 630	3000	6	210	180	420	10 + 2	4.0	6200 X 1250 X 185
M PBM 815	1500	8	160	135	320	7.5 + 2	4.5	4500 X 1150 X 170
M PBM 820	2000	8	180	150	360	7.5 + 2	4.5	5100 X 1150 X 180
M PBM 825	2500	8	210	180	420	10 + 2	4.0	5700 X 1200 X 185
M PBM 830	3000	8	230	200	460	10 + 2	4.0	6200 X 1250 X 190
M PBM 1015	1500	10	180	150	360	7.5 + 2	4.5	4800 X 1200 X 180
M PBM 1020	2000	10	200	180	400	7.5 + 2	4.5	5400 X 1200 X 185
M PBM 1025	2500	10	230	200	460	10 + 2	4.0	6000 X 1250 X 195
M PBM 1030	3000	10	250	225	500	15 + 3	3.5	6800 X 1400 X 200
M PBM 1215	1500	12	200	180	400	7.5 + 2	4.5	4800 X 1200 X 185
W PBM 1220	2000	12	230	200	460	10 + 2	4.0	5400 X 1250 X 195
M PBM 1225	2500	12	250	225	500	15 + 3	3.5	6100 X 1400 X 210
M PBM 1230	3000	12	280	250	560	20 + 5	3.0	6800 X 1500 X 220
M PBM 1620	2000	16	250	225	500	15 + 3	3.5	5600 X 1400 X 210
W PBM 1625	2500	16	280	250	560	20 + 5	3.0	6300 X 1500 X 220
M PBM 1630	3000	16	300	280	600	20 + 5	3.0	6900 X 1550 X 225
M PBM 2020	2000	20	280	250	560	20 + 5	3.0	5500 X 1500 X 220
M PBM 2025	2500	20	300	280	600	20 + 5	3.0	6200 X 1550 X 225
M PBM 2030	3000	20	330	300	660	20 + 5	2.5	7000 X 1600 X 230

**3 roll Plate Bending** 

**Hydro-Mechanical Double Pre-Pinch** 

Range : 6 to 80 mm Length : 1500 to 4000 mm

**ВНУХ** 

#### **PBM DP Series**

The PBM DP series 3 ROLL PYRAMID TYPE HYDRO-MECHANICAL PLATE BENDING are designed with double side pre-pinching arrangement. The unique design permits the pre-pinching of job by both bottom rolls; hence the job is completed in single operation. This feature makes the machine more productive and suitable for handling heavy jobs. The top roller is fixed and pre-pinching by both bottom rolls are thru hydraulic cylinders.

The job is fed from one end to carry out pre-pinching & entire shell is rolled to desired bend radius. Other end pre-pinching is carried out by second bottom roll to complete the shell. The complete shell is prepared in single operation



Align the plate using the alignment grooves in the lower rolls or against the rear roll. The prebending is accomplished by clamping the plate between the top roll & one of the lower rolls.



The plate is bent towards the top roll by the other roll; and the plate edge is pre bend to minimum flat end possible. A length of plate is rolled & radius is checked.



Roll the plate through the machine and bend to desired diameter.



Lower the clamping roll & raise the other roll until the plate is clamped again. Roll the plate into a closed cylinder & prebend the second plate edge.



Finished cylinder is released from the machine by lowering the drop end.

#### SALIENT FEATURES

- 3 roll PYRAMID Type design with double pre-pinching arrangement
- Top roll is fixed and bottom rolls moves up & down.
- Bottom rolls up-down through hydraulic cylinders.
- Two bottom rolls are power driven by planetary gear box with electric or hydraulic motor.
- Bending rolls are made of alloy steel.

#### STANDARD ACCESSORIES

- Main drive motor
- Remote electrical panel console with push buttons
- Manual Centralized lubrication System
- Planetary gearbox attached with electric
- or hydraulic motor
- Digital readout for both bottom Roll position.

- Dropper end protection by hydraulic cylinders.
- Overload protection.
- Low role, smooth operation and less power consumption due to hydraulic system operates at lower pressure in smaller thickness
- Built -in cone bending attachment.
- International quality Hydraulic & Electrical.

#### **OPTIONAL ACCESSORIES**

- Hardened & Grounded Rolls
- Automatic Lubrication system
- Motorized Drive on end dropper.
- Extended shaft with profile bending rolls.
- Conical bending arrangement.
  Material feed table.
- Digital Readouts.
   NC controls.

for more Information, scroll on

	DIE				Л	, p.M.					
Model	Bending Length (mm)	Pre- Bending Thickness (mm)	Bending Thickness (mm)	Top Roll Diameter (mm)	Bottom Roll Diameter mm	Min. Ø in Pre-Bending (mm)	Min.ø in Bending (mm)	Motor Power (HP)	Plate Rolling Speed Mtr./min	Overall Diamension (LXWXH) mm	ſſ
DP PBM 615	1500	4	6	200	180	400	600	5 + 1.5	3.0	4700 X 1700 X 1550	
DP PBM 1215	1500	8	12	230	210	460	690	7.5 +1.5	3.0	5000 X1850 X 1700	
DP PBM 1615	1500	10 )	16	250	230	500	750	10 + 2	3.0	5200 X 1950 X 1800	
DP PBM 2015 DP PBM 2515	1500 1500	12 16	20 25	275 325	250 290	550 650	825 975	15 + 2 20 + 3	3.5 3.0	5600 X 2100 X 2000 5800 X 2250 X 2200	~~
DP PBM 3015	1500	20	30	360	325	720	1080	30 + 5	3.0	5800 X 2400 X 2300	
DP PBM 4015	1500	28	40	410	380	820	1230	40 + 7.5	2.5	6000 X 2650 X 2500	Um
DP PBM 4515	1500	30	45	440	400	880	1320	50 + 7.5	2.0	6400 X 3000 X 2800	
DP PBM 5015	1500	35	50	480	440	960	1440	60 + 10	2.0	680 X 3300 X 3100	
DP PBM 7015	1500 1500	50 60	70 85	540	500 530	1080 1160	1620 1740	80 + 15 100 + 20	1.5	7000 X 3500 X 3250	
DP PBM 8515 DP PBM 520	2000	3	5	580 200	180	400	600	5 + 1.5	1.5 3.0	7300 X 3850 X 3600 5300 X 1700 X 1500	
DP PBM 1020	2000	6	10	230	210	460	690	7.5 + 1.5	3.0	5600 X 1850 X 1700	
DP PBM 1220	2000	8	12	250	230	500	750	10 + 2	3.0	5800 X 1950 X 1800	
DP PBM 1620	2000	10	16	275	250	550	825	15 + 2	3.5	6200 X 2000 X 2000	FL
DP PBM 2020	2000	12	20	325	290	650	975	20 + 3	3.5	6300 X 2200 X 2100	P
DP PBM 2520 DP PBM 3520	2000 2000	16 25	25 35	360 410	325 380	720 820	1080 1230	30 + 5 40 + 7.5	3.0 2.5	6300 X 2400 X 2200 6300 X 2650 X 2500	
DP PBM 3320 DP PBM 4020	2000	23	40	410	400	880	1230	40 + 7.5	2.0	6600 X 3000 X 2800	TM
DP PBM 4520	2000	30	45	480	440	960	1440	60 + 10	2.0	7000 X 3300 X 3100	
DP PBM 6020	2000	40	60	540	500	1080	1620	80 + 15	1.5	7200 X 3500 X 3250	
DP PBM 7020	2000	50	70	580	530	1160	1740	100 + 20	1.5	7600 X 3850 X 3600	
DP PBM 425	2500	3	4	200	180	400	600	5 + 1.5	3.0	5500 X 1700 X 1500	5
DP PBM 825 DP PBM 1025	2500 2500	5	8 10	230 250	210 230	460 500	690 750	7.5 + 1.5 10 + 2	3.0 3.0	5800 X 1700 X 1600 6000 X 1850 X 1800	5)
DP PBM 1425	2500	10	14	275	250	550	825	15 + 2	3.5	6300 X 2000 X 2000	
DP PBM 1825	2500	12	18	325	290	650	975	20 + 3	3.5	6600 X 2200 X 2200	
DP PBM 2225	2500	15	22	360	325	720	1080	30 + 5	3.0	6700 X 2400 X 2300	201
DP PBM 3025	2500	20	30	410	380	820	1230	40 + 7.5	2.5	6800 X 2650 X 2500	SIL
DP PBM 3525 DP PBM 4025	2500 2500	25 28	35 40	440 480	400 440	880 960	1320 1440	50 + 7.5 60 + 10	2.0 2.0	7200 X 3000 X 2800 7500 X 3300 X 3100	
DP PBM 5525	2500	38	55	540	500	1080	1620	80 + 15	1.5	7700 X 3500 X 3100	
DP PBM 6525	2500	45	65	580	530	1160	1740	100 + 20	1.5	8100 X 3850 X 3600	$\gamma \lambda $
DP PBM 330	3000	2	3	200	180	400	600	5 + 1.5	3.0	5500 X 1700 X 1600	
DP PBM 630	3000	2 4	6	230	210	460	690	7.5 + 1.5	3.0	5700 X 1800 X 1700	
DP PBM 830 DP PBM 1230	3000 3000	5 8	8 12	250 275	230 250	500 550	750 825	10 + 2 15 + 2	3.0 3.5	6000 X 1950 X 1800 6400 X 2100 X 2000	
DP PBM 1630	3000	10	12	325	290	650	975	13 + 2 20 + 3	3.5	6700 X 2200 X 2100	MП
DP PBM 2030	3000	12	20	360	325	720	1080	30 + 5	3.0	7000 X 2400 X 2300	
DP PBM 2530	3000	16	25	410	380	820	1230	40 + 7.5	2.5	7200 X 2650 X 2500	
DP PBM 3030	3000	20	30	440	400	880	1320	50 + 7.5	2.0	7700 X 3000 X 2800	
DP PBM 3530 DP PBM 5030	3000 3000	25 35	35 50	480 540	440 500	960 1080	1440 1620	60 + 10 80 + 15	2.0 1.5	8000 X 3300 X 3100 8250 X 3500 X 3250	
DP PBM 5030	3000	40	60	580	530	1160	1740	100 + 20	1.5	8500 X 3850 X 3600	
DP PBM 335	3500	2	3	200	180	400	600	5 + 1.5	3.0	6000 X 1700 X 1600	
DP PBM 535	3500	3	5	230	210	460	690	7.5 + 1.5	3.0	6300 X 1800 X 1700	
DP PBM 735	3500	5	7	250	230	500	750	10 + 2	3.0	6500 X 1950 X 1800	
DP PBM 1035	3500	6	10	275	250	550	825	15 + 2	3.5	6800 X 2100 X 2000	UZR
DP PBM 1435 DP PBM 1835	3500 3500	10 12	14 18	325 360	290 325	650 720	975 1080	20 + 3 30 + 5	3.5 3.0	7200 X 2250 X 2100 7500 X 2400 X 2300	
DP PBM 2235	3500	15	22	410	380	820	1230	40 + 7.5	2.5	7800 X 2650 X 2500	
DP PBM 2835	3500	20	28	440	400	880	1320	50 + 7.5	2.0	8200 X 3000 X 2800	
DP PBM 3235	3500	22	32	480	440	960	1440	60 + 10	2.0	8500 X 3300 X 3100	
DP PBM 4535	3500	30	45	540	500	1080	1620	80 + 15	1.5	8700 X 3500 X 3250	
DP PBM 5535 DP PBM 340	3500 4000	38 2	55 3	580 200	530 180	1160 400	1740 600	100 + 20 5 + 1.5	1.5 3.0	9000 X 3850 X 3600 6500 X 1700 X 1600	
DP PBM 340 DP PBM 440	4000	3	3	200	210	400	690	7.5 + 1.5	3.0	6550 X 1850 X 1700	H
DP PBM 640	4000	4	6	250	230	500	750	10 + 2	3.0	6600 X 1950 X 1800	1 7
DP PBM 840	4000	5	8	275	250	550	825	15 + 2	3.5	7000 X 2100 X 2000	
DP PBM 1340	4000	10	13	325	290	650	975	20 + 3	3.5	7200 X 2250 X 2200	TM
DP PBM 1640 DP PBM 2040	4000	10	16	360	325	720	1080	30 + 5	3.0	7500 X 2400 X 2300	$\sim$
DP PBM 2040 DP PBM 2540	4000 4000	12 16	20 25	410 440	380 400	820 880	1230 1320	40 + 7.5 50 + 7.5	2.5 2.0	7700 X 2650 X 2500 8200 X 3000 X 2800	
DP PBM 2840	4000	20	23	440	400	960	1440	50 + 7.5 60 + 10	2.0	8500 X 3300 X 3100	
DP PBM 4040	4000	28	40	540	500	1080	1620	80 + 15	1.5	8700 X 3500 X 3250	5
DP PBM 5040	4000	35	50	580	530	1160	1740	100 + 20	1.5	9000 X 3850 X 3600	5)

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# **Pyramid type Bending Roller**

MODEL	Table Length	Top Roll	Bottom Roll	HP
BBR-1	1250 x 3	100	90	2
BBR-2	1250 x 6	125	105	3
BBR-3	1250 x 10	150	125	5
BBR-4	1250 x 12	175	140	7.5
BBR-5	1250 x 16	190	150	7.5
BBR-6	1250 x 20	200	160	10
BBR-7	1250 x 25	240	200	15
BBR-8	1500 x 3	115	100	3
BBR-9	1500 x 6	140	115	5
BBR-10	1500 x 10	160	135	7.5
BBR-11	1500 x 12	180	150	7.5
BBR-12	1500 x 16	200	160	10
BBR-13	1500 x 20	215	170	12.5
BBR-14	1500 x 26	250	215	20
BBR-15	2000 x 6	160	135	5
BBR-16	2000 x 10	185	150	7.5
BBR-17	2000 x 12	205	160	10
BBR-18	2000 x 16	215	175	12.5
BBR-19	2000 x 20	230	190	15
BBR-20	2000 x 25	275	230	20
BBR-21	2500 x 6	175	150	7.5
BBR-22	2500 x 10	200	170	10
BBR-23	2500 x 12	230	180	15
BBR-24	2500 x 16	240	200	20
BBR-25	2500 x 20	260	215	20
BBR-26	2500 x 25	300	260	30
BBR-27	3000 x 10	240	200	15
BBR-28	3000 x 12	260	220	20
BBR-29	3000 x 16	275	225	20
BBR-30	3000 x 20	290	250	25
BBR-31	3000 x 25	340	290	40
	a Matar will be of 060 BE		230	40

Note : Electric Motor will be of 960 RPM

#### Machine Application & Usage

- Boiler Tank, Air Conditioning Channels, Sheet Metal Cover
- Cone Making & Other Aluminum & Steel Fabrication, Marine & Ship Building, Pressure Vassals, Wind Mills

#### **Technical Features :**

- Bottom roll are fixed and driven by Gears and warm Reduction Gear Box. Top Roll rotates in fixed positions andcan be adjusted up & down manually by adjustable screws
- Housing are made from M.S. Plate of suitable strength and mounted on heavy base frame. Rolls are made fromforged steel and perfectly machined for accurate result
- For longer life and smooth working of machine, Gun Metal Bushes are provide and given sufficient lubrication system.\

#### **Bending Process :**

- Place the Plate between bottom and top rolls by adjusting top roll manually.
- Down the top roll and give pressure on the plate. Then start Main motor in clock wise direction till one end of the plate comes over first bottom roll reverse the motors and get second end on second bottom
- Continue above process until you et desired as shown in picture.

for more Information, scroll on

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## Hydraulic Press 'H' Type



Capacity in Tonnes	Distance Between Column	Distance Between Ram To Bed	Stroke
5	160x400	125x500	75
15	200x750	150x650	100
25	280x800	175x800	125
40	375x950	175x900	140
60	425x1010	175x900	150
75	450x1125	175x900	150
100	500x1200	175x900	150
150	600x1300	200x1000	150
	<u>×</u>	TM	

Broaching

Bending

Breaking

Joining of Steel

In Plastic, Rubber &

**Plywood Industries** 

Hand Operated

# Hydraulic Press 'H' Type

#### STRUCTURE:

The Presses have good rigid structure for accurate works.

#### POWER PACK UNIT:

Our Presses are powered by specially designed Power Pack Unit having Oil Breather (Hydroline), Oil Level Indicator (Hydroline), Suction Strainer (Hydroline), Gear pump (Bosch Rexroth), Flexible Coupling (Jeck Tech), Electric Motor (Crompton / Siemens), Hand Lever operated Direction Control Valve (Bosch Rexroth), Pressure Gauge (Air Master), Return Line Filter (Hydroline), Oil Tank (without oil), Internal & External Pipe Line etc.

#### HYDRAULIC CYLINDER:

Our Presses are powered by specially designed Double Acting Hydraulic Cylinders. Cylinders manufactured out of quality steel. Cylinder bores will be honed to mirror finish or long life of piston seals. All chevron seals & bronze strip used for leak proof performance. Ram will be made from EN-8 material & surface ground hardened for long life of seals & corrosion resistance.

Capacity	Distance Between	Distance Between	Stroke	Motor
in Tonnes	Column	Ram To Bed		H.P.
5	160x400	125x500	100	2
15	200x750	150x650	150	3
25	280x800	175x800	175	3
40	375x950	175x900	175	3
60	425x1010	175x900	200	5
75	450x1125	175x900	200	5
100	500x1200	175x900	200	5
150	600x1300	200x1000	225	7.5
200	700x1400	400x1200	225	10
250	800x1500	400x1200	250	15
300	900x1600	400x1200	250	20
MAU				

for more Information, scroll on

**Power Operated** 

# 

#### Use & Applications

- Auto Service Station
   Baling
- Repairing Workshop Drawing Pressing of Ball • Embossing
- Pressing of Ball Bearings
- Removal Of Old
- Bushes And Mounting New Bushes
- Straightening
- Pressing

- In Electric Motors,
   Submersible Pump etc.
  - Industries
    - Gold/Silver Coin Monogram Embossing
  - Mosaic Tiles
  - Bakelite Parts
  - Textile Part Industries

# **BHWAY**

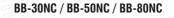
# Bus Bar Bending-Cutting-Punching



**SIEMENS PLC Control System** 



**Electrical (Schneider)** 



#### SALIENT FEATURES :

- The Bus bar bending, cutting & punching unit machine is
- technologically advanced, compact & versatile machine.
- The machine is designed to cater the requirement of bus bar preparation & almost all operations are included in one machine.
- This is a highly productive machine suiting to growing demand of Industries.
- The machine is equipped with three different & independent stations for All these stations work parallel to contribute High Productivity of machine.
- International quality hydraulic & electrical components ensure maintenance free long life.
- P&C Control System & Touch Screen HMI

#### STANDARD ACCESSORIES

- Main drive motor.
- Unhardened & ungrounded suitable bending tool
- Hardened & grounded HCHCr Blade on Shearing station
- Eight suitable die & punch on Punching Station.
- Compact Hydraulic power pack with built in control panel
- Separate foot switch for each station
- Guage stopper on shearing station bending station & punching station.

#### **OPTIONAL ACCESSORIES**

- Special tools for punching station
- Special tools for bending station
- High Speed Version
- First Fill of oil



Separate Ele. Motor & Hydraulic Pump for each working station.



Relief Valve (YUKEN)

Model		BB-30M	BB-30NC	BB-50NC	BB-80NC
	Max. Punching Force (KN)	300	300	500	800
Dunching	Punching Diameter Range (MM)	Ø4.3-Ø25	Ø4.3-Ø25	Ø4.3-Ø34	Ø4.3-Ø34
Punching	Max. Thickness (MM)	12	12	16	20
	Max. Width (MM)	160	160	250	300
Shearing/Cutting	Max. Shearing Thickness (MM)	12	12	16	20
Shearing/Gutting	Max. Shearing Width (MM)	160	160	250	300
	Max. Bending Force (KN)	300	300	500	800
Vertical Bending	Max. Thickness (MM)	12	12	16	20
	Max. Width (MM)	160	160	250	300
	Max. Width (MM)	100	100	120	250
Horizontal Bending	Max. Angle (Degree)	90°	90°	90°	90°
MINIJ	Max. Thickness (MM)	12	12	16	20
Out Dimension	Out Dimension	1790*1400*1420	1790*1400*1420	1950*1560*1390	2060*1600*1560
Power	Power	3 x 4kw	3 x 4kw	3 x 5.5kw	3 x 7.5kw
	Bending Precision	±1°	±1°	±1°	±1°
CNC Precision	Repeat Bending Precision	±0.3°	±0.3°	±0.3°	±0.3°

#### NOTE: PRO model available for Auto movement in Vertical Bending.

for more Information, scroll on

Specifications are subject to changed without prior notice.

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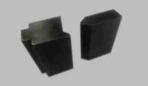
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# **Bus Bar Bending-Cutting-Punching**









Horizontal bending

Vertical bending dies (two sets, 4 pieces)



#40 Vertical bending Suitable for thickness of 1-5mm



**Embossing Molds (Optional)** 





**Twisting Bending Molds (Optional)** 

#80 Vertical bending Suitable for thickness of 6-12mm



shaped punching









**Copper Samples** 

**Aluminum Samples** 

# **Portable Bus Bar**



# **Bending-Cutting-Punching**





PUNCHING STATION



**BENDING STATION** 





BHAYY

- The Bus bar bending, cutting & punching unit machine is technologically advanced, compact & versatile machine.
- The machine is designed to cater the requirement of bus bar preparation & almost all operations are included in one machine.
- The machine is equipped with three different stations
- International quality hydraulic & electrical components ensure maintenance free long life.

#### STANDARD ACCESSORIES

- Main drive motor.
- Unhardened & ungrounded suitable bending tool
- Hardened & grounded HCHCr Blade on Shearing station
- Four suitable die & punch on Punching Station.
- Compact Hydraulic power pack with built in control panel

#### **OPTIONAL ACCESSORIES**

- Special tools for punching station
- Special tools for bending station
- First Fill of oil



**Function Switcher** 



**Punching Molds** 



Working Table



**Electric Hydraulic Pump** 

	Model	Unit	200B
	Work piece		Copper and Aluminum Bus bar
	Input voltage		220V
	Rated oil pressure	KN	630
l .	Max. cut size	mm	200 x 12
	Max. punch size	mm	200 x 12
$\mathbb{N}$	Max. bend size	mm	200 x 12
	Table size	mm	730(L) x 900(W) x 1150(H)
		mm	10.5
	Diameter of standard	mm	13.8
	dies/mold	mm	17
		mm	20.5
	Machine weight	kg	195

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**Laser Welding Machine** 

#### Product Feature

A. Environmental Protection

In traditional argon arc welding, considerations such as arc radiation, metal fume, and harmful gases make recruitment difficult.

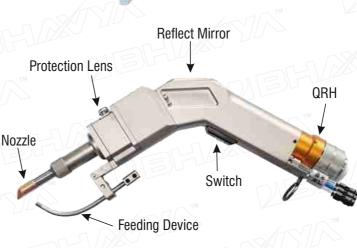
However, compared with fiber-optic handheld laser welding machines, it is easy to solve.

#### B. Portable design

Because Bhavya's handheld fiber laser welding machine uses the design of an integrated cabinet. Which integrates lasers, cooling devices, software control, etc. And has the advantages of small footprint, convenient movement, and powerful functions.

#### C. More convenient for operation

Now hand-held welding, using a handheld welding gun instead of a fixed light path, is more convenient to operate. The welding work piece has no deformation, no welding marks, and the welding is firm



Model No.	FLW
Power	1KW/2KW
Laser Type	Fiber laser
Center wavelength	1080nm ±5
Max Output Energy	1KW
Modulation frequency	1-20,000HZ
Red light indicates output power	0.5~1
Fiber Cable length	8m
Fiber Core Diameter	50µm
Rated Power	380±}20% V AC A50/60Hz(1KW)
Cooling Method	Water Cooling
NetWeight	290kg(GW)
Machine Dimension (L*W*H)	1325x675x1425mm

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# **Hydraulic Iron Worker**





Schneider Components



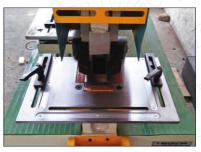
Temperature Controller - L Series



Punching Station



Shearing Station



Notching Station

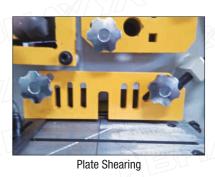


Angle Shearing

Specifications are subject to changed without prior notice.



Round & Square Bar Shearing



# **BHXXX**

# **Hydraulic Iron Worker**

IW-60/IW-60L	IW-90/IW-90L	IW-120	IW-160	IW-200	IW-250
60 Ton	90 Ton	120 Ton	160 Ton	200 Ton	250 Ton
25 x 16	30 x 20	35 x 25	38 x 28	30 x 35	42 x 35
300	355	400	600	560	550
80	80	80	80	100	100
8-22/Min.	8-22/Min.	8-22/Min.	8-22/Min.	8-22/Min.	6-18/Min.
16 x 250	20 x 330	25 x 330	30 x 355	35 x 400	25 x 750
8 x 400	10 x 480	16 x 600	20 x 600	20 x 700	38 x 420
410	490	610	610	710	760
7°	8°	8°	8°	8°	8°
≪450 N/mm2	≪450 N/mm2	≪450 N/mm2	≪450 N/mm2	≪450 N/mm2	≪450 N/mm2
70 x 70 x 8	70 x 70 x 10	80 x 80 x 7	80 x 80 x 10	100 x 100 x 10	120 x 120 x 12
120 x 120 x 12	140 x 140 x 12	160 x 160 x 14	180 x 180 x 16	200 x 200 x18	200 x 200 x 18
45	50	60	65	70	75
40 x 40	45 x 45	50 x 50	55 x 55	60 x 60	65 x 65
50 x 90 x 8	80 x 100 x 10	80 X 100 X 12	100 X 100 X 16	120 X 120 X 16	120 X 120 X 16
126 x 53 x 5.5*	160 x 60 x 6.5*	200 x 75 x 9*	280 x 86 x 11*	300 x 89 x 11*	320 x 92 x 12*
126 x 74 x 5.0*	160 x 86 x 6.0*	200 x 102 x 9*	280 x 124 x 10*	300 x 126 x 11*	320 x 130 x 10*
4kW	5.5kW	7.5kW	11kW	15kW	18.5kW
1650x800x1780	1950x900x1930	2355x980x2100	2680x1060x2380	2800x1260x2420	3200x1440x2450
1800Kgs	2600Kgs	4800Kgs	6800Kgs	9200Kgs	12800kgs
	$\begin{array}{c} 60 \text{ Ton} \\ 25 \times 16 \\ 300 \\ 80 \\ 8-22/\text{Min.} \end{array}$ $\begin{array}{c} 16 \times 250 \\ 8 \times 400 \\ 410 \\ 7^{\circ} \\ \leq 450 \text{ N/mm2} \end{array}$ $\begin{array}{c} 70 \times 70 \times 8 \\ 120 \times 120 \times 12 \\ 45 \\ 40 \times 40 \\ 50 \times 90 \times 8 \end{array}$ $\begin{array}{c} 126 \times 53 \times 5.5^{\ast} \\ 126 \times 74 \times 5.0^{\ast} \\ 4\text{KW} \\ 1650 \times 800 \times 1780 \end{array}$	$\begin{array}{c cccc} 60 \ {\rm Ton} & 90 \ {\rm Ton} \\ 25 \times 16 & 30 \times 20 \\ 300 & 355 \\ 80 & 80 \\ 8-22/{\rm Min.} & 8-22/{\rm Min.} \\ \end{array}$	60 Ton90 Ton120 Ton $25 \times 16$ $30 \times 20$ $35 \times 25$ $300$ $355$ $400$ $80$ $80$ $80$ $8-22$ /Min. $8-22$ /Min. $16 \times 250$ $20 \times 330$ $25 \times 330$ $8 \times 400$ $10 \times 480$ $16 \times 600$ $410$ $490$ $610$ $7^{\circ}$ $8^{\circ}$ $8^{\circ}$ $< 450$ N/mm2 $< 450$ N/mm2 $< 450$ N/mm2 $70 \times 70 \times 8$ $70 \times 70 \times 10$ $80 \times 80 \times 7$ $120 \times 120 \times 12$ $140 \times 140 \times 12$ $160 \times 160 \times 14$ $45$ $50$ $60$ $40 \times 40$ $45 \times 45$ $50 \times 50$ $50 \times 90 \times 8$ $80 \times 100 \times 10$ $80 \times 100 \times 12$ $126 \times 53 \times 5.5^{*}$ $160 \times 60 \times 6.5^{*}$ $200 \times 75 \times 9^{*}$ $126 \times 74 \times 5.0^{*}$ $160 \times 86 \times 6.0^{*}$ $200 \times 102 \times 9^{*}$ $4kW$ $5.5kW$ $7.5kW$ $1650 \times 800 \times 1780$ $1950 \times 900 \times 1930$ $2355 \times 980 \times 2100$	60 Ton90 Ton120 Ton160 Ton $25 \times 16$ $30 \times 20$ $35 \times 25$ $38 \times 28$ $300$ $355$ $400$ $600$ $80$ $80$ $80$ $80$ $8 - 22$ /Min. $8 - 22$ /Min. $8 - 22$ /Min. $16 \times 250$ $20 \times 330$ $25 \times 330$ $30 \times 355$ $8 \times 400$ $10 \times 480$ $16 \times 600$ $20 \times 600$ $410$ $490$ $610$ $610$ $7^{\circ}$ $8^{\circ}$ $8^{\circ}$ $8^{\circ}$ $< 450$ N/mm2 $< 450$ N/mm2 $< 450$ N/mm2 $70 \times 70 \times 8$ $70 \times 70 \times 10$ $80 \times 80 \times 7$ $80 \times 80 \times 10$ $120 \times 120 \times 12$ $140 \times 140 \times 12$ $160 \times 160 \times 14$ $180 \times 180 \times 16$ $45$ $50$ $60$ $65$ $40 \times 40$ $45 \times 45$ $50 \times 50$ $55 \times 55$ $50 \times 90 \times 8$ $80 \times 100 \times 10$ $80 \times 100 \times 12$ $100 \times 100 \times 16$ $126 \times 53 \times 5.5^{*}$ $160 \times 60 \times 6.5^{*}$ $200 \times 75 \times 9^{*}$ $280 \times 86 \times 11^{*}$ $126 \times 74 \times 5.0^{*}$ $160 \times 86 \times 6.0^{*}$ $200 \times 102 \times 9^{*}$ $280 \times 124 \times 10^{*}$ $4kW$ $5.5kW$ $7.5kW$ $11kW$ $1650 \times 800 \times 1780$ $1950 \times 900 \times 1930$ $2355 \times 980 \times 2100$ $2680 \times 1060 \times 2380$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Based On Material Strength 45Kg/2 Tensile / Specification With \* Marked are Optional

#### **Standard Accessories :**





One Piece Round Punch



**Electrical Back Guage** 

Round & Square Shear Blade

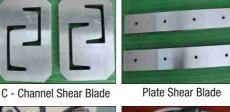


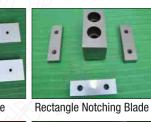




V - Notching Blade

Yuken / Rexroth Valves





Tool Box



Instruction Manual



Plate Bending

J

I - Beam Shear Blade

Louver Punching

### Single Head Hydraulic Pipe Bending Machine



Model		NCB38	NCB50	NCB63	NCB75	NCB89	NCB100
Max bending capacity diameter x thickness	mm	Ø38 x 2	Ø50 x 3	Ø63 x 4	Ø75 x 4	Ø89 x 8	Ø100 x 8
Max bending radius (1)	mm	R260	R350	R350	R400	R450	R500
Min bending radius (2)	mm			According to the Pip	be Diameter		
Max bending angle	Degree	190°	190°	190°	190°	190°	190°
Max effective distance of mandrel (3)	mm	1600	2200	2600	2800	3500	3600
Control System	Unit	NC Control	NC Control	NC Control	NC Control	NC Control	NC Control
Max bending groups	groups	16	16	16	16	16	16
Max storing components (4)	Kw	16 x 16	16 x 16	16 x 16	16 x 16	16 x 16	16 x 16
Motor power	Мра	4	5.5	5.5	7.5	11	15
Max. Hydraulic Pressure		12	12	12	12	12	12
Hydraulic System Control	L			Electromegnetic Val	ve		
Oil Tank Capacity	mm	110	150	220	250	260	300
Machine size	kg	2600x600x1000	3000x700x1030	3500x700x1100	4000x1000x1100	4500x1300x1300	5000x1600x1200
Weight of Machine		750	1220	1500	2000	3500	5000
			$\wedge \lor$				- TM

Note: (1) (3) According to customer's requirements, (2) According to tube diameter, (4) Extendible



PARTICULARS	JTB-40	JTB-50				
Outer Diameter	16-40mm	16 - 51mm				
Thickness	1-3mm	1-5mm				
Angle of Bending	180°	_180°				
Motor	1.5Kw	2.2Kw				
N.W./G.W.	220/250Kg	550 / 620Kg				
Packing Size	780 X 540 X 770mm	1450 x 690 x 1170mm				
STANDARD DIES	16MM, 20MM, 25MM, 32MM, 38MM	25MM, 32MM, 38MM, 48MM				

• Light duty / heavy duty mechanical/hydraulic operated pipe bending machines for various applications like furniture, Two wheeler accessories, Decorative items, Automotive seat frames, Hydraulic piping, Chemical & Process tubes & Heat Exchanger Concentric Tubes etc.

• These machines are very compact & robust in design and useful for mass production.



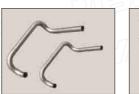
for more Information, scroll on

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# Single Head Hydraulic Pipe Bending Machine









#### **Machine characteristics:**

- 1. The machine is NC control, hydraulic drive, can have different bending degree to prefabricate.
- 2. English display screen, Man-machine dialogue operation. Can choose manual, semi-automatic, portable pedal have start, emergency stop function
- 3. Use high function imported Japan Yuken hydraulic components.
- 4. Have big capacity cooling system and can control the working temperature.
- 5. The machine have easy convenient, stable function, high efficiency, high safety factor, is the ideal choice for the pipe processing.

Model		NCB110	NCB115	NCB130	NCB168	NCB189	NCB219
Max bending capacity diameter x thickness	mm	Ø110 x 8	Ø115 x 10	Ø130 x 8	Ø168 x 14	Ø189 x 14	Ø219 x 16
Max bending radius (1)	mm	R500	R520	R520	R750	R750	R800
Min bending radius (2)	mm			According to the Pip	be Diameter		
Max bending angle	Degree	190°	190°	190°	190°	190°	190°
Max effective distance of mandrel (3)	mm	3700	4500	4500	5000	5500	6000
Control System	Unit	NC Control	NC Control	NC Control	NC Control	NC Control	NC Control
Max bending groups	groups	16	16	16	16	16	16
Max storing components (4)	Kw	16 x 16	16 x 16	16 x 16	16 x 16	16 x 16	16 x 16
Motor power	Мра	14	14	14	16	16	16
Max. Hydraulic Pressure		12	12	12	12	12	12
Hydraulic System Control	L			Electromegnetic Val	ve		
Oil Tank Capacity	mm	320	350	400	650	700	800
Machine size	kg	5000x1400x1200	5500x1600x1200	6100x1600x1300	7100x2000x1800	8000x1800x1660	8800x2450x1980
Weight of Machine		4500	7000	8000	12000	15000	20000
MIGH		TIN HINS		1 10			

Note: (1) (3) According to customer's requirements, (2) According to tube diameter, (4) Extendible

for more Information, scroll on

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455 x 300mm

460 x 250 x 640mm

645 x 176mm

760 x 370 x 950mm

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				Arbor	Press
MODEL	AP - 1/2	AP – 1	AP – 2	AP – 3	AP – 3
Capacity	1⁄2 - Ton	1 – Ton	2 – Ton	3 – Ton	5 – Ton
Maximum Height x Dia.	90 x 80mm	110 x 100mm	180 x 123mm	285 x 163mm	400 x 226mm
Largest Arbor	26mm	29mm	40mm	44mm	70mm 🔨
Ram Square Size	19 x 19mm	25 x 25mm	32 x 32mm	38 x 38mm	50 x 50mm
Press Height	280mm	355mm	445mm	615mm	815mm

432 x 260mm

460 x 200 x 460mm

268 x 190mm

290 x 140 x 350mm

Net Weight	11 Kg.	15 Kg.	36 Kg.	63 Kg.	155 Kg.
2 Bin	T. DE	Bea	ad Ben	ding N	Aachine
9				Dolar	JDAC VBH
ETB-12		A CONTRACTOR			
Special steel a     4-sets standar	d rollers.	# (1) # (1)		* AN	ETB-25 / 40
MODEL	TB-12	ETB-12	ET	B- 25	ETB- 40

MODEL	TB-12	ETB-12	ETB- 25	ETB- 40
Thickness Max.	1.2mm	1.2mm	2.5mm	4mm
Cylinder Length	140mm	140mm	120mm	165mm
Throat Depth	200mm	200mm	280mm	300mm 🔨 📶
Cylinder Speed	-	32rpm	20rpm	15.3rpm
Motor Power		1HP	2HP	3HP
Net Weight	48kg	120kg	235kg	341kg
Packing Size	670x320x600mm	1100x480x1480mm	1470x580x1350mm	1650x580x1400mm

104

S

Base Size

Packing Size

240 x 170mm

260 x 120 x 290mm

# BHAYY

**Tube & Profile End Grinder** 



- Grinds any diameter from 20-76mm
- With dust collector connector in PRS-76C
- Standard roller : 30mm
- Instruction Manual

-	MODEL	PRS -76A	PRS-76C
	Motor power	2.2kW	2.2/2.8KW
	Adjustable slide	200x75mm	200x75mm
	Grinding ares	30°to 90°	30°to 90°
	Speed	2800rpm	2800rpm
	Belt size	100x2000mm	100x2000mm
	Belt speed	15m/sec	15m/sec, 30m/sec
	Packing size	1370x620x660mm	1370x620x660cm
_	Net Weight	178Kgs.	188Kgs.

## **Hydraulic Angle Notcher**





MODEL	HNM-6
Maximum Cutting Thickness	6.5mm
Maximum Cutting Length	250mm
Cutting Angle	90°
Number of Strokes	24/min.
Working Table	810 x 750mm
Motor Power	4 kW
Oil Tank Capacity	35 Liter
Max. Working Pressure	12 Mpa
Packing Dimension	1010 x 850 x 1400mm
Net Weight	630Kgs.

#### **FEATURES**:

- Cuts Up To 6.5 Mm
- 250x250 Notch Size
- Notching Angle Fixes In 90° With High Notching Speed
- · Compact Structure, Small Volume And Convenient Operation
- Instruction Manual



# **3-IN-1 Combination Shear, Brake & Roll**

- Heavy-duty type.
- · Back gauge standard equipment.
- With two position handles.
- Combination shear, brake and roll in one
- compact machine, capacity up to 1.5mm

3-IN-1/1067x1.5

- Removable male dies with female dies.
- Back gauge standard equipment.
- With two position handles.
- Shearing mind steel or equipment.
- Press brake-bends box and pan works.
- · Sectional fingers allow box and pan works.
- · Slip roll provided with forming grooves.

3-IN-1/1016

• Ideal combination machine for sheet metal machining to

- a long of 305mm and a thickness of 1.0mm cutting stop
- Roll bending starting with diameter of 39mm
- Folding with a max. angle of 90°.
  Adjustable rear stop.

3-IN-1/305

MODEL	3-IN-1/305	3-IN-1/610	3-IN-1/760	3-IN-1/1016	3-IN-1/1320	3-IN-1/1067x1.5	3-IN-1/1320x1.5
Bed Width	305mm	610mm	760mm	1016mm	1320mm	1067mm	1320mm
Max. Shearing Thickness	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.5mm	1.5mm
Max. Bending Thickness	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.5mm	1.5mm
Max. Bending Angle	90°	90°	90°	90°	90°	90°	90°
Max. Rolling Thickness	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.5mm	1.5mm
Min. Rolling Diameter	39mm	39mm	39mm	40mm	50mm	S60mm	60mm
Packing Dimension	490x330x420mm	840x410x660mm	1000x410x660mm	135x45x72cm	168x54x78cm	150x59x93cm	179x59x93cm
Net/Gross Weight	43/45Kgs.	112/123Kgs.	36/153Kgs.	195/210Kgs.	349/377Kgs.	390/440Kgs.	470/530Kgs.

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RBM40HV

MODEL	RBM	40HV	RB	M50	HRBI	M50HV	HRE	BM65
Dia. of roller	x40	)mm	x50	Dmm	x50	Dmm	x65	5mm
Power	1.5k\	N/2HP	2.2k	W/3HP	2.2k	W/3HP	2.25kW	
Spindle Speed	9.3	r/min	13	r/min	13	r/min	9.3 r/min	
Packing Size	1400x950	)x1340mm	1000x82	Dx1550mm	1500x950	Dx1340mm	1250x115	0x1800mm
N.W/G.W.	425/4	95 Kgs.	450/5	82 Kgs.	515/6	47 Kgs.	720/9	20 Kgs.
Capacity	Size(mm)	Min Dia.(mm)	Size (mm)	Min Dia.(mm)	Size (mm)	Min Dia.(mm)	Size (mm)	Min Dia.(mm
	50x10	600	60x10	500	60x10	500	80x25	600
	20x6	800	40x10	650	40x10	650	40x10	500
	60x20	800	100x15	920	100x15	920	120x25	600
	30x6	1250	60x10	1150	60x10	1150	50x10	400
	30x30	650	35x35	600	35x35	600	50	600
	10x10	1100	20x20	780	20x20	780	20	400
	50x6	600	60x7	750	60x7	750	80x40x7	500
	30x3	500	50x5	500	50x5	500	40x40x5	400
	50x6	600	60x7	750	60x7	750	80x40x7	400
	30x3	500	50x5	500	50x5	500	40x40x5	360
	60x40x6	600	80x45x6	600	80x45x6	600	100x50x6	600
	30x15x4	900	65x40x5	550	65x40x5	550	50x40x5	500
- ALLYK	60x40x6	600	80x45x6	600	80x45x6	600	100x50x6	600
	30x15x4	900	65x40x5	550	65x40x5	550	50x40x5	500
	50x5	500	60x5	500	60x5	500	70x6	500
	30x4	500	50x5	500	50x5	500	40x5	400
	50x5	500	60x5	700	60x5	700	70x6	600
	30x4	500	50x5	700	50x5	700	40x5	500
	Ø30	650	Ø35	600	Ø35	600	Ø50	600
	Ø10	1100	Ø30	650	Ø30	650	Ø20	400
ALL ALL	50x50x2.5	700	60x60x3	600	60x60x3	600	70x70x3	900
	30x30x2	800	40x40x3	500	40x40x3	500	30x30x3	500
	50x25x2.5	800	70x50x3	1200	70x50x3	1200	80x40x3	800
	40x20x2	1000	50x40x3	800	50x40x3	800	50x30x2	500

RBM50

We can design the rollers for you as your special requirements. And we can make the rollers in various materials such as nylon.

BHAYY

HRBM65

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## **Foot Shearing**

## FEATURES/ACCESSORIES:

- With Both Front And Back Gauge
- With Heavier Weight, Good Stability
- High Carbon And Chrome Steel Blade
- A Fully Casting Structure Not Easy Deformation
- Used For Mild Steel, Aluminum Copper, Brass Zinc Plastic And Leads
   Instruction Manual

MODEL	<b>Q01</b> – 1	1.0x1000	Q01 – 1.5x1320	Q01 – 2x1000
Maximum Shearing Thickness	1.0mm		1.5mm	2.0mm
Maximum Shearing Width	1000m	m	1320mm	1000mm
Back Gauge Range	0 – 700	)mm	0 – 700mm	0 – 700mm
Packing Dimension	1400x7	760x1150mm	1680x760x1150mm	1400x760x1150mm
Net Weight	365Kgs	š.	490Kgs.	405Kgs.

#### FEATURES :

- With Segment Bending Blade For The Bending Of Box Section
- Various Widths Segments Shiftable Setup
- With Balanced Hammer, It Can Easy To Operate And Easy For Folding

# Pan & Box Brake



for more Information, scroll on

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L S **Folding Machine** 



**BHAYY** 

#### **FEATURES :**

- A Fully Welded Structure ,
- Compact High Quality Engineering
- Ensure Minimum Maintenance, Together With Simple and
- Safe Operation.With Foot Control. It Is Easy For Operation And Relax Hands.

MODEL	PBB 1020/2.5	PBB 1270/2.0	PBB 1520/1.5	PBB 2020/1.2	PBB 2520/1.0
Maximum Working Length	1020mm	1270mm	1520mm	2020mm	2520mm
Maximum Sheet Thickness	2.5mm	2.0mm	1.5mm	1.2mm	1.0mm
Maximum Clamping Bar Lift	47mm	47mm	47mm	47mm	47mm
Folding Angle	0 - 135°	0 - 135°	0 - 135°	0 - 135°	0 - 135°
Packing Dimension	1460x620x1270mm	1700x710x1270mm	1960x710x1300mm	2470x940x1320mm	2970x940x1320mm
Net Weight	285Kgs.	320Kgs.	385Kgs.	490Kgs.	590Kgs.



PBB 2020/1.2

#### **FEATURES :**

- With foot control. it is easy for operation and relax hands for adjusting the material.
- They have the function of air spring which can be installed inside the arm (Optional)
- The press blade and folding blade are segment structure.

#### FEATURES :

 A fully developed quick release system for the clamp beam segment ensures fast interchangeability.

PBB 1020/3SH

- The folding beams are fitted with a counter balance and angle stop to provide a perfect and effective operation within the full capacity of the machine.
- The optional back-guage can be easily mounted when using the pre-drilled fixing points.

MODEL	PBB 1020/2A	PBB 1270/2A	PBB 1520/1.5A	PBB 1020/3SH	PBB 1270/3SH
Maximum Working Length	1020mm	1270mm	1520mm	1020mm	1270mm
Maximum Sheet Thickness	2.0mm	2.0mm	1.5mm	2.0mm	1.5mm
Maximum Clamping Bar Lift	47mm	47mm	47mm	45mm	45mm
Folding Angle	135°	135°	135°	150°	150°
Packing Dimension	1460x640x1310mm	1700x710x1300mm	1960x710x1300mm	1420x590x1420mm	1670x660x1420mm
Net Weight	320Kgs.	350Kgs.	395Kgs.	420Kgs.	465Kgs.

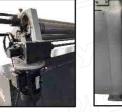




# **Electric Slip Roll**

## FEATURES:

- Standard series wire core groove
- Top roll swing out across cam lock •
- Supplied with conical bending feature
- Fixed top roller, adjustable lower and rear rollers
- Asymmetrical roll bending machine with 3 high strength steel rolls
- Electric lifting of back roller
- · Digital indicator of back roller position









- Standard Series Wire Core Groove
- Top Roll Swing Out Across Cam Lock

- **Conical Bending Feature**
- MODEL ESR - 1300x1 ESR - 1300x2 ESR - 1300 ESR - 1300x6 ESR - 1550> ESR - 2020x3. Max. Rolling Thickness 1.5mm 2.5mm 4.5mm 6.5mm 3.5mm 3.5mm Max. Rolling Width 1300mm 1300mm 1300mm 1300mm 1550mm 2020mm Diameter of Roller 90mm 120mm 127mm 75mm 120mm 150mm Motor Power 0.75 kW 1.5 kW 2.2 kW 3.0kW 4.0 kW 2.2 kW Packing Dimension 1800x650x1100mm 2000x720x1200mm 2000x760x1270mm 2820x870x1340mm 2220x760x1270mm 2700x870x1300mm Net Weight 280Kgs. 540Kgs. 750Kgs. 1100Kgs. 790Kgs. 1100Kgs.

for more Information, scroll on

BHAYY

**Manual Slip Roll** 

W01 – 2 x 1000	

Eb2500





EB1250

#### Features :

- Asymmetrical Roll Bending Machine
- High Strength Steel Roll
- Fixed Top Roller, Adjustable Lower and Rear Roller
- Standard Series Wire Core Groove Quick release top roller

MODEL	W01 – 2 x 610	W01 – 2 x 1000	W01 – 2 x 1250
Max. Rolling Thickness	2.0mm	2.0mm	2.0mm
Max. Rolling Width	610mm	1000mm	1250mm
Diameter of Rolls	60mm	60mm	60mm
Packing Dimension	1260x620x1180mm	1550x620x1180mm	1800x620x1180mm
Net Weight	166Kgs.	200Kgs.	223Kgs.

## **Magnetic Bending**

$\lambda \setminus \Xi$	MODEL	EB1000	EB1250	EB2000
	Bending Capacity	1000 x 1.6mm	1250 x 1.6mm	2000 x 1.6mm
	Clamping Force	4.5 Ton	6 Ton	9 Ton
	Duty Cycle	30%	30%	30%
	Back Gauge	640mm	640mm	640mm
	Foot Switch	N/A	Standard	
	Nominal Current	6 Amp	6 Amp	12 Amp
	Protection Degree	Thermal Cutout 70°	Thermal Cutout 70°	Thermal Cutout 70°
	Bending Edge Length	1050mm	1300mm	2090mm
	Dist. Between Filters	1010mm	1260mm	2028mm
	Packing Size	1200x1120x380mm	1450x1120x380mm	2200x1120x380mm
	Net Weight	140Kgs.	175Kgs.	290Kgs.

**FEATURES**:

- Magnetic Clamping Brake
- Easy Raise Clamp Bar
- Unlimited Box Depth
- Includes Multiple Finger Lengths Bending Stop Included

# 

# **Steel Body Fly Press**

Size : 6 No.& 10 No.

A special heavy duty fly press will be fabricated as per the customer's requirement of peculiar press work.

Availability of higher centre distance for the operation

Assurance of high working efficiency and accuracy over longer period of service

MODEL	STL – 8 NO.	STL -10 NO.
Centre Distance	400mm	500mm
Screw Diameter	75mm	75mm
Table Size	400 x 500 x 30mm	400 x 500 x 30mm
Side Plate	16mm	16mm
Fly Wheel Diameter	775mm	775mm

# **Single Body Fly Press**

MODEL	BFP-0	BFP-1	BFP-2	BFP-3	BFP-4	BFP-5	BFP-6
	mm						
Centre to back	76	89	95	114	121	197	229
Base to Guide	114	127	146	171	184	127	152
Diameter of Screw	38	42	42	48	48	48	58
Hole in Bed Without Ring	44	51	64	76	89	102	114
Hole in Bed with Ring	6-V11	2-	-	38	44	51	57
Stroke	82	102	114	152	133	152	178
Height of the Body	406	502	546	610	720	850	990
Size of the Bed, Left to Right	98	120	139	171	210	255	310
Size of Bed Front to Back	146	165	190	228	265	312	345
Hole in Ram (Dia)	19	19	19	25.4	25.4	25.4	25.4
Hole in Ram ( Deep)	38	38	38	38	38	38	51
Length of Screw	305	419	419	469	570	660	780
Diameter of Flywheel	SAT	406	457	534	635	770	920





# **Double Body Fly Press**

BFP-D3	BFP-D6	BFP-D10	BF9P-D12
mm	mm	mm	mm
190	229	305	305
-	-	-	-
48	58	85.5	95.2
76	114	203	203
38	57	102	127
152	288	355	355
670	58	86	95
25.4	25.4	38	38
38	51	63	63
	mm 190 - 48 76 38 152 670 25.4	mm         mm           190         229           -         -           48         58           76         114           38         57           152         288           670         58           25.4         25.4	mm         mm         mm           190         229         305           -         -         -           48         58         85.5           76         114         203           38         57         102           152         288         355           670         58         86           25.4         25.4         38

for more Information, scroll on

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# **Sheet Metal Machines**

IN LATE	TM		
Circle Cutting Machine	Hand Operated /		Motorised Cutter
	Motorised Operated		Size : 12" & 16"
		Model	300 (12") 400 (16")
	Cine 10" 24" 20	Blade Size	50 X20 50 x 20
And Annual Contraction	Size : 15", 18", 24", 36 Cap. Cuts : 76mm	Plate Size	45 mm 45 mm
linna di lina da serie de la serie de l	Circle Dia to 900m	Weight Aprx.	115 Kgs 135 Kgs
	Cuts	Stroke Length Cutting Cap	245 mm 345 mm 5 to 6 mm 5 to 6 mm
	thickness : 0.90 to 1.5mm	Cutting Edge	2+4 2+4
	M.S		
		DIELF	
- -	A Bhaiya Cutter	No.	tching Machine
	Size : 8", 12" & 16"		<b>U</b>
Contraction of the second			
000	10 CH		77
	10mm 75x12		3
5 5 5 5 5	Size 8", 12", 16/2	Notchin	g Size 150x150mm
	Cutting Capacity 1.5 to 3.mm	Table S	7
	Stroke Length 145 to 345000		otching Cap. 1.6mm
· · ·	Plate Size 25mm to 40000	RAM S	roke 20mm
IN PART YUN	ANN	D/E	
´	Angle Cutting	Hydraulic <b>Ha</b>	nd / Motorised
	Model: 8C, 8CH, 10 CH	Pipe Bending Ma	
			7
X I M			1/2" to 2" 1/2" to 3"
	Model 8 CH		15 Ton 15 Ton
	Cap. To cut plates 7mm Flate upto (M.S) 60x9	Former's Size 3/8", 1/2", 3/4" & 1"	1/2", 3/4", 1/2", 3/4", 1",1.1/4", 1",1.1/4",
	Round upto (M.S) 18		1.1/2", & 2" 1.1/2", & 2"
A CONTRACT OF A DESCRIPTION OF A DESCRIP	Square upto (M.S) 18		2.1/2", & 3"
	Tee Cutting Cap.: 55x5		5
A	Angle cutting Cap. 62x6.		
		TM	
N	Hydraulic Hand		lydraulic Motorised
1	Pipe Bending Machine		Pipe Bending Machine
	lodel HB-10	1 and	
	lodel HB-10 lax. Pressure 10 Ton	MODEL	EHB-10
	lax. Ram Stroke 155mm	MODEL Max. Pressure	10 Ton
	acking Dimension 710x590x220mm	Max. Ram Stro	
N	et/Gross Weight 45/48Kgs.	Packing Dimer	
		Net/Gross Weig	jht 53/60Kgs.
		1	77
for more	e Information, scroll on	A A A A A A A A A A A A A A A A A A A	



# Fiber Laser Cutting Machine



## **TECHNICAL SPECIFICATIONS**

Model	LaserCut 1325	LaserCut 1530	LaserCut 2040	LaserCut 2060	LaserCut 3080	
Cutting Area						
X-Axis	1300mm	1500mm	2000mm	2000mm	3000mm	
Y-Axis	2500mm	3000mm	4000mm	6000mm	8000mm	
Z-Axis	120mm	120mm	120mm	120mm	120mm	
NC System			CYPCut			
Software			CYPCut/CYPNest*			
Positining Accuracy	$\pm 0.03 \sim \pm 0.05$ mm					
Traverse Speed	Upto 150 m / min. depending on model selected					
Power Supply	3Ø 415 VAC, 50/60 Hz OR As Required					
Laser Source Power	700 W / 1000 W / 1500 W / 2000 W / 3000 W / 4000 W / 6000 W / 10000 W					

\* Tables with bigger cutting area available as per customers request

for more Information, scroll on

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# Fiber Laser Cutting Machine

## **Laser Applications**

Job & Machine Shop Applications Aerospace Automotive Components Agricultural Machinery Pharma Machinery Printing Machinery Textile Machinery Constructional Machinery Earth Moving Machinery Wood Processing Machinery Paper Processing Machinery Food Processing Machinery Architectural Profiles Metal Signage Research Institute Educational Institute Gaskets Control Panels Ship Building Coach Building Racks & Cupboard Manufacturing Sheet Metal Fabrication White Goods Manufacturing Elevators & Escalators Rapid Prototyping Furniture

**BHXYX** 

## **Optional Features**

Machine Enclosure Live Cutting Screen Auto Focus Head Auto Pallet Changer Pipe Cutting Fumes Extraction System Scrap Collection System

## **ADVANTAGES OF FIBER LASER**

Power saver	:	Excellent wall. plug efficiency about 30%	
Cost saver	:	Maintenance free operation	
Easy to install	5	Compact and robust	
Long lasting life span	:	Estimated lifetime of diode up to 1.00.000 hours	
High reliability	÷	Operates 24,7	
Excellent laser beam quality	:	Constant Beam Parameter Product (BPP) over entire	power range
Application Materials	:	Stainless Steel. Mild Steel. Coated Steel. Galvanized. B	rass. Copper





# **Fiber Laser Marking Machine**

LASER SOURCELASER TYPEPOWERPOWERWORK PRECISIONSOFTWARECOOLINGPOWER CONSUMPTIONWORK AREAMAX MARKING SPEEDMIN CHARACTERMARKING DepthWAVE LENGTHLASER MODULE LIFELASER REPEATITION FREQUENCYPOWER REQUIREMENTOPTIMUM WORKING TEMPERATURESUPPORT FORMAT	PARTICULARS / MODEL
POWER WORK PRECISION SOFTWARE COOLING POWER CONSUMPTION WORKAREA MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	LASER SOURCE
WORK PRECISION         SOFTWARE         COOLING         POWER CONSUMPTION         WORK AREA         MAX MARKING SPEED         MIN CHARACTER         Marking Depth         WAVE LENGTH         LASER MODULE LIFE         LASER REPEATITION FREQUENCY         POWER REQUIREMENT         OPTIMUM WORKING TEMPERATURE	LASER TYPE
SOFTWARE COOLING POWER CONSUMPTION WORK AREA MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	POWER
COOLING POWER CONSUMPTION WORK AREA MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	WORK PRECISION
POWER CONSUMPTION WORKAREA MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	SOFTWARE
WORK AREA MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	COOLING
MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	POWER CONSUMPTION
MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	WORKAREA
Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	MAX MARKING SPEED
WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	MIN CHARACTER
LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	Marking Depth
LASER REPEATITION FREQUENCY POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	WAVE LENGTH
POWER REQUIREMENT OPTIMUM WORKING TEMPERATURE	LASER MODULE LIFE
OPTIMUM WORKING TEMPERATURE	LASER REPEATITION FREQUENCY
	POWER REQUIREMENT
SUPPORT FORMAT	OPTIMUM WORKING TEMPERATURE
	SUPPORT FORMAT

RAYCUS
FIBER
20W/30W/50W
±0.01mm
EZCAD 2.12 Professional
Air Cooled
d"500W
110x110mm / 175x175mm / 200x200mm
12000mm/s
0.2mm X 0.2mm
0.01 – 1.0mm (Subject to Material)
1064mm
1,00,000 Hours
20KHz- 80KHz (Adjustable)
AC220V/50Hz/2A
13-30 C
PLT, DST,AI, DXF, BMP, JPG, CAD, CDR, DWG, PCX

YLH-20L/YLH-30L/YLH-50L





Two dimensional Table (Optional)



## Applicable Industries :

Precision instruments, computer keyboards, auto parts, plumbing parts, communications equipment, medical equipment, bathroom equipment, hardware tools, luggage decoration, electronic components, home appliances, watches, molds, gaskets and Seals, data matrix, Jewellery, cell phone keyboard, buckle, kitchenware, knives, cooker, stainless steel products, aerospace equipment, integrated circuit chips, computer accessories, signs molds, elevator equipment, wire and cable, Industrial bearings, building materials, Hotel & Kitchen ware, military, pipelines. Tobacco industry, bio-pharmaceutical industry, liquor industry, food packaging, beverage, health care products, plastic buttons, bathing supplies, business cards, Clothing accessories, cosmetics packaging, car decoration, wood, logos, characters, serial number, bar code, PET Jars & Bottles, advertising logo and other non-metallic industries.

#### **Applied Materials :**

- All metals: gold, silver, titanium, copper, alloy, aluminum, steel, magnaese steel, magnesium, zinc, stainless steel, carbon steel / mild steel, all kinds of alloy steel, electrolytic plate, brass plate, galvanized sheet, Aluminum, all kinds of alloy plates, all kinds of sheet metal, rare metals, coated metal, anodized aluminum and other special surface treatment materials.
- Non-metallic: non-metallic coating materials, industrial plastics, hard plastics, rubber, ceramics, resins, cartons, leather, clothes, wood, paper, plexiglass, epoxy resin, acrylic resin, unsaturated polyester resin material.





# Portable Fiber Laser Marking Machine

	PARTICULARS / MODEL	YLH-20T/YLH-30T/YLH-50T
~	LASER SOURCE	RAYCUS
	LASER TYPE	FIBER
	POWER	20W/30W/50W
	WORK PRECISION	±0.01mm
	SOFTWARE	EZCAD 2.12 Professional
	COOLING	Air Cooled
	POWER CONSUMPTION	d"500W
	WORKAREA	110 x 110mm
	MAX MARKING SPEED	10000mm/s
	MIN CHARACTER	0.15mm X 0.15mm
	Marking Depth	0.01 – 1.0mm (Subject to Material)
	WAVE LENGTH	1064mm
	LASER MODULE LIFE	1,00,000 Hours
	LASER REPEATITION FREQUENCY	20KHz- 80KHz (Adjustable)
	POWER REQUIREMENT	AC220V/50Hz/2A
	OPTIMUM WORKING TEMPERATURE	10-35 C
	SUPPORT FORMAT	PLT, DST, AI, DXF, BMP, JPG, CAD, CDR, DWG, PCX

# Portable Hand Held Fiber Laser Marking Machine



PARTICULARS / MODEL	YLH-20T/YLH-30T/YLH-50T
LASER SOURCE	RAYCUS
LASER TYPE	FIBER
POWER	20W/30W/50W
WORK PRECISION	±0.01mm
SOFTWARE	EZCAD 2.12 Professional
COOLING	Air Cooled
POWER CONSUMPTION	d"500W
WORKAREA	110 x 110mm
MAX MARKING SPEED	10000mm/s
MIN CHARACTER	0.15mm X 0.15mm
Marking Depth	0.01 – 1.0mm (Subject to Material)
WAVE LENGTH	1064mm
LASER MODULE LIFE	1,00,000 Hours
LASER REPEATITION FREQUENCY	20KHz- 80KHz (Adjustable)
POWER REQUIREMENT	AC220V/50Hz/2A
OPTIMUM WORKING TEMPERATURE	10-35 C
SUPPORT FORMAT	PLT, DST, AI, DXF, BMP, JPG, CAD, CDR, DWG, PCX

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for more Information, scroll on

# Portable Hand Held Desktop Fiber Laser Marking Machine

PARTICULARS / MODEL LASER SOURCE LASER TYPE POWER WORK PRECISION SOFTWARE COOLING POWER CONSUMPTION **WORKAREA** MAX MARKING SPEED **MIN CHARACTER** Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT **OPTIMUM WORKING TEMPERATURE** SUPPORT FORMAT

YLH-20Z/YLH-30Z/YLH-50Z
RAYCUS
FIBER
20W/30W/50W
±0.01mm
EZCAD 2.12 Professional
Air Cooled
d"500W
110 x 110mm / 175 X 175mm
10000mm/s
0.2mm X 0.2mm
0.01 – 1.0mm (Subject to Material)
1064mm
1,00,000 Hours
20KHz- 80KHz (Adjustable)
AC220V/50Hz/2A
13-28 C
PLT, DST,AI, DXF, BMP, JPG, CAD, CDR, DWG, PCX

(I H-20E / VI H-30E / VI H-50



## PARTICULARS / MODEL

LASER SOURCE LASER TYPE POWER WORK PRECISION SOFTWARE COOLING POWER CONSUMPTION WORKAREA MAX MARKING SPEED MIN CHARACTER Marking Depth WAVE LENGTH LASER MODULE LIFE LASER REPEATITION FREQUENCY POWER REQUIREMENT **OPTIMUM WORKING TEMPERATURE** SUPPORT FORMAT

/	RAYCUS
	C02
	20W/30W/50W
	±0.01mm
	EZCAD 2.12 Professional
	Air Cooled
	d"500W
	110 x 110mm / 175 X 175mm
	12000mm/s
	0.2mm X 0.2mm
	0.01 – 1.0mm (Subject to Material)
	1064mm
	1,00,000 Hours
	20KHz- 80KHz (Adjustable)
	AC220V/50Hz/2A
	10-30 C
	PLT, DST,AI, DXF, BMP, JPG, CAD, CDR, DWG, PCX

## **Co2 Laser Marking**



# **Mopa Color Laser Marking**

PARTICULARS / MODEL
LASER SOURCE
LASER TYPE
POWER
WORK PRECISION
SOFTWARE
COOLING
POWER CONSUMPTION
WORKAREA
MAX MARKING SPEED
MIN CHARACTER
Marking Depth
WAVE LENGTH
LASER MODULE LIFE
LASER REPEATITION FREQUENCY
POWER REQUIREMENT
<b>OPTIMUM WORKING TEMPERATURE</b>
SUPPORT FORMAT

RAYCUS FIBER (CO2 also available) 20W/30W/50W ±0.01mm EZCAD 2.12 Professional Air Cooled d"500W 110 x 110mm / 175 X 175mm 12000mm/s 0.2mm X 0.2mm 0.01-1.0mm (Subject to Material) 1064mm 1,00,000 Hours 20KHz-80KHz (Adjustable) AC220V/50Hz/2A 13-30 C PLT, DST, AI, DXF, BMP, JPG, CAD, CDR, DWG, PCX

YLH-20M/YLH-30M/YLH-50M



for more Information, scroll on

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## Electric Tapping Machine Vertical & Universal Head



#### MACHINE FEATURES:

- The machine adopts servo drive control, with intelligent torque protection, instead of the traditional lathe, drilling machine or manual tapping limitations.
- Advanced mechanical design, a variety of processes using mold castings, the overall rigidity is strong, durable, non-deformation, beautiful appearance.
  The high definition touch screen is simple and flexible. It can realize the vertical and horizontal work of complex and heavy work piece, locate quickly, and process accurately.
- Step less speed change, manual, automatic, linkage three modes of work, whatever you choose.
- Automatic mode can effectively control the depth of tapping, without the operation button, automatic control by depth controller.
- Repeated positioning fast, tapping speed, high production efficiency.



Model	DS16	DS30	DS36
Tapping Range	M3-M16	M6-M30	M6-M36
Power	220V/600W	220V/1200W	220V/1200W
Speed	0-312rpm	0-120rpm	0-120rpm
Weight	27kg	45kg	50kg

DS16-COLLET : M3,M4,M5,M6-8,M10,M12,M14,M16 DS30-COLLET : M6-8, M10, M12, M14, M16, M18-20, M22, M24, M27-30 DS36-COLLET : M6-8, M10, M12, M14, M16, M18-20, M22, M24, M27-30, M33,M36

# **FADDIN** 119

# **Drill Bit Re-Sharpener**

## 13A/D

- Portable drill grinder. With Taiwan Grinding wheel, it can be equippeddirectly with an accurate angle and long service life.
- = 13D can sharpen the drill bit front cutting lip, lip relief angle, you also can control the centre spot at random instead of centre drill, escape of chips easily, drill with a light heart.

Model	13A/D	
Grinding range	φ2.1-φ13(φ15)	
Point Angle	100° (95° )~135°	
Power	AC220V	
Motor	180W	
Speed	4800RPM	
Grinding wheel	CBN(HSS)or SD	
Dimension	32×18×19cm	
Weight	10kg	

Standard equipement: 13# eleven collets Standard grinding range:  $13\#(\phi 2.1 - \phi 13)$ 

Standard Collet Model No : 13A/D (11 Pcs - ER20) : 3,4,5,6,7,8,9,10,11,12,13

Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit

It is not so easy to align the drill less then 3mm

## **OPERATION PROCEDURE**

13A

13A Sample

#### **BITS OF THE ASSEMBLED GROUP FIXTURE:**

1. Make sure the material of drill and choose suitable grinding wheel. Standard

iis CBN grinding wheel.\* CBN wheel is suitable for HSS drill, SD wheel is suitable for carbide drill.

13D

Sample

scale clockwise to the end,

3.A) Choose suitable collet to the collet holder. (Insert the collet into holder in the 45 degree)

B) Follow up the steps for setting up the drill to the collet holder, without tighting. Keep the room for

4.A) Adjust the left scale to meet the diameter of the

B) Insert the collet holder with the drill into the left hole and completely touch, then turn right to set up

C) Insert the top of drill into the end, turn right to set up. D) Tight the drill by collet holder for setting up the grinding position.

## E) Take out the chuck **GRIND THE POINT ANGLE:**

Turn on the power of the grinder, then insert the collet holder with drill and push to the grinding wheel slowly. Next, move left and right repeatedly to sharpen the drill until the grinding sound disappeared. Take out the chuck, turn 180degree and repeat the same process. \*Don't hold the drill when you grind, or it will influence the

grinding. \*Point angle can be adjustable from 90 degree to 180

## **Grinding Wheel**





## **GRIND THE LIP RELIEF ANGLE:**

Insert the collet holder with the drill into the sharpening hole (at top) until the bit point slightly touches the wheel. Then move left and right repeatedly to sharpen the drill until the grinding sound disappeared take it out and turn 180 degrees, do the same.

The machine is set up with the point (central point) size adjustment function. which can effectively coordinate b as ed on the material of drill hole and the rotation a peed. It can control the quality precision and prolong the service of the bore bit. Our target is let or ding workers become the master of grinding drill.

#### GRIND THE FRONT CUTTING LIP:

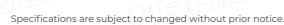
Insert the collet holder with the drill into the hole (at top) until the bit point slightly touches the wheel. Then turn the chuck clockwise until the grinding sound disappeares. Take it out and turn 180degrees. Do the same

## Assemble the fixture



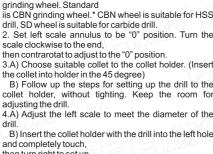
120

Z



for more Information, scroll on







## **Drill Bit Re-Sharpener**



- Portable drill grinder. With Taiwan Grinding wheel, it can be equippeddirectly with an accurate angle and long service life.
- 26D can sharpen the drill bit front cutting lip, lip relief angle, you also can control the centre spot at random instead of centre drill, escape of chips easily, drill with a light heart.

Ē	Model	26A/D
	Grinding range	(φ8)φ13–φ26(φ32)
	Point Angle	95°~135°
	Power	AC220V
	Motor	250W
	Speed	4800RPM
	Grinding wheel	CBN(HSS) or SD
	Dimension	46×24×22cm
	Weight	27kg
V		

Standard equipement: 26# fourteen collets. Standard grinding range: 26# ( $\phi$  12.1- $\phi$  26).

Standard Collet Model No. : 26A/D (14 Pcs - ER40) : 13,14,15,16,17,18,19,20,21,22,23,24,25,26 Grinding Wheel : CBN Wheel For HSS Drill Bit/SD Wheel for Carbide Drill Bit

It is not so easy to align the drill less then 3mm

## Drill Bit Re-Sharpener 20G

26D

Sample



26A

Sample





four grinding effects

26A

Point Angle

20G drill bit grinder has four grinding effects of relief angle and the precision is higher, the alignment is more accurate. 10 seconds quick grinding, make the drill reborn. Grinding is accurate and rapid, easy operation with no skill to grind.
 Economical price that greatly reduces the cost and improves the use

- effect.
   With diamond grinding wheel, it can be equipped directly with an accurate angle and long service life.
- The electrically controlled and powerful DC motor : stable frequency, strong horsepower and long service life.
- Bearing shaft and locking unit.
- The machine is set up with the function of adjusting a point (central point) size, which can effectively coordinate with the material of drill hole and the rotation speed. It can control the quality precision and prolong the service life of the drill bit.

Model	20G
Grinding Range	Ø3 - Ø20
Point Angle	100(90)° ~ 135°
Power	AC220V
Motor	120W
Speed	4800rpm
Grinding Wheel	CBN (for HSS)
Dimension	32 x 19 x 20 CM
Weight	11Kg

Standard Equipment : Eighteen Collets ( ER20 : Ø3 to Ø13 ) ( ER25 : Ø14 to Ø20 ) Standard Collet : Ø3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 Grinding Wheel : CBN Wheel for HSS Drill Bit/SD Wheel for Carbide Drill Bit

# **Drill Bit Re-Sharpener**



- G3 Complex drill grinder G3 can grind the twist drill from 2 to 32.
- = 13S can grind DG drills and twist drills, can grind the twist drill from 3 to 13.

\		
	Model	G3
	Grinding Range	φ2.1-φ26(φ32)
	Point Angle	90° -135° /85° -140°
	Power	220V 50Hz 750W
	Grinding wheel	
	Speed	4800RPM
	Dimension	$40 \times 26 \times 30$ cm
	Weight	32kg

Standard equipment:G3# twenty-four collets; 13s# eleven collets Standard grinding range:  $G3#\varphi 2.1-\varphi 26$ ;  $13S#\varphi 3-\varphi 13$ . Standard Collet Model No : G3 - (ER20) 10 Pcs : 3,4,5,6,7,8,9,10,11,12 Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit

It is not so easy to align the drill less then 3mm.





13S Sample

# **Universal Drill Grinder**

## 60A/80A

The 60A can sharpen  $\phi$ 3 to  $\phi$ 60( $\phi$ 80) all kinds of drills, such as standard twist drills, bottoming drills, multiple diameter drills,2-four fact drills, wood drills, spot facer.

	Model	60A	80A
	Grinding Drill Dia	ф3~ф60	ф3~ф80
	Point Angle	30° -180°	30° -180°
	Power	220V 50HZ	220V 50HZ
	Grinding wheel	Ф200 x 75 x 40mm	Φ200 x 75 x 50mm
	Power/Speed	550W 2800r/min	550W 2800r/min
	Dimension	$58 \times 41 \times 45$ cm	$58 \times 41 \times 45$ cm
X	Weight	136kg	145kg

## **Grinding Result Graph**



for more Information, scroll on





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## **End Mill Re-Sharpener**





X3

 X3 portable end mill grinder, can grind 2-flute, 3-flute, 4-flute (bigger than 12 can grind 6-flute end mill). Choosing can grind 5-flute.

Model	X1	Х3	ХЗА	X5	
Range	φ4-φ 14	φ4-φ14	φ4-φ20	$\varphi$ 12- $\varphi$ 30( $\varphi$ 32)	
Motor	220V/160W	220V/180W	220V/180W	220V/250W	
Speed	4400rpm	4800rpm	4800rpm	4800rpm	
Wheel		CBN(HSS) or SD	CBN(HSS) or SD		
Dimension	35 x 25 x 25cm	35×23×24cm	35×23×24cm	$40 \times 28 \times 31$ cm	
Weight	14KG	12kg	12kg	25kg	

Standard equipment: X3# six collets: X5# ten collets. Standard grinding range: X3#  $\Phi$ 4- $\Phi$ 14; X5#  $\Phi$ 12- $\Phi$ 30

Standard Collet Model No : X3 (ER20) 6 Pcs : 4,6,8,10,12,14 Standard Collet Model No : X3A (ER20) 9 Pcs : 4,6,8,10,12,14,16,18,20 Standard Collet Model No : X5 (ER40) 10 Pcs : 13,14,16,18,20,22,24,26,28,30

Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit

# **Spiral End Mill Re-Sharpener**

X6

• Independent developing X6 includes the function of X3, and can also grind peripheral cutting edge.

With Taiwan diamond grinding wheel.

Model	X6	X7	
Range	φ4-φ14	φ12-φ30	
Motor	220V/180W	220V/250W	
Speed	4800rpm	4800rpm	
Wheel	CBN(HS	S) or SD	
Dimension	41×24.5×30cm	56×32×38cm	
Weight	22kg	40kg	

Standard equipment: X6# six collets: X7# ten collets. Standard grinding range: X6#  $\phi$  4-  $\phi$  14;X7#  $\phi$  12-  $\phi$  30.

Standard Collet Model No : X6 (ER20) 6 Pcs : 4,6,8,10,12,14 Standard Collet Model No : X7 (ER40) 10 Pcs : 13,14,16,18,20,22,24,26,28,30

Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit





# **Screw Tap Re-Sharpener**

## Y3C

- Portable screw tap grinder can grind 2-flute, 3-flute, 4-flute tap. Choosing can grind 5-flute.
   Y3C/Y5C can grind all front cutting face, also include the
- front cutting lip.

Y3C	Y5C
M5-M20	M16-M42
5° ~30°	5° ~30°
220V 180W	220V 250W
4800rpm	4800rpm
CBN(HS	S) or SD
36×27×30.5cm	40×30×31cm
16kg	27kg
$3C six collets(\Phi 5 - \Phi 14); Yng range; Y3# M5-M20; Y:'3C standard grinding whC (ER20) 6 Pcs: 5,7,8,9,13,14C (CFR40) 9 Pcs: 13 14 16 18 20 23 3$	75C nine collets(φ1 5# M16-M42 eel is 3mm.
	M5-M20 5° ~30° 220V 180W 4800rpm CBN(HS 36×27×30.5cm 16kg 3C six collets(Φ5-Φ14); Y ngrange; Y3#M5-M20; Y3 '3C standard grinding wh

#### Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit



# **Spiral Screw Tap Re-Sharpener**



## Y6B

- Portable screw tap grinder can grind 2-flute, 3-flute, 4-flute tap. Choosing can grind 5-flute.
- Y6B can grind the spiral flute tap's front cutting face, and flat tap's front cutting lip and face.

Model	Y6/B
Range	M5-M20
Point Angle	5° ~30°
Power	220V 180W
Motor	4800rpm
Grinding wheel	CBN(HSS) or SD
Dimension	48×30×33cm
Weight	22kg

Standard equipment: Y6/Y6B six collets( $\phi 5 - \phi 14$ ). Standard grinding range: M5-M20 (Flat tap); M10-M20 (Spiral tap). Standard Collet Model No : Y6/B (ER20) 6 Pcs : 5.7.8.9.13.14

Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit





**BHAXYA** 

Specifications are subject to changed without prior notice.

Y6



# Complex Re-Sharpener Mill & Drill F4/F

F4/F6

• Complex re-sharpener of end mill & drill, one machine with two function, easy to use, economical and practical, with no skill requirement to grind.

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Model	End mill	Drill
Range	φ4-φ14/φ12-φ30	φ3-φ14/φ13-φ30(32)
Point Angle	0° ~5°	100° ~135° /95° ~135°
Power	220V 180W,	/220V 250W
Motor	4800rpm	/4800rpm
Grinding wheel	CBN(HS	SS) or SD
Dimension	35×23×30cm	45×34×38cm
Weight	20kg	48kg

Standard equipment: F4/F5 twelve collets; F6 nineteen collets. Standard grinding range: F4# END MILL  $\phi$ 4- $\phi$ 14, DRILL  $\phi$ 3- $\phi$ 14; F6# END MILL  $\phi$ 12- $\phi$ 30, DRILL  $\phi$ 13- $\phi$ 30

Standard Collet Model No : F4 (ER20) 12 Pcs : 3,4,5,6,7,8,9,10,11,12,13,14 Standard Collet Model No : F5 (ER20) 12 Pcs : 3,4,5,6,7,8,9,10,11,12,13,14 Standard Collet Model No : F6 (ER40) 19 Pcs : 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28

Grinding Wheel : CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit



# Lathe Tool Grinder



## М3

- M3 is suitable to grind many kinds of cutters, such as tipped tool, boring cutter, plough cutter, and so on. It is a perfect grinding tool instead of hand grinding.
- Worktable uses high precision straight line roiling guide rails, good movement, high stability, steady bed platform, dexterous operation.
- M3 Model Grinding various welding blades, boring tool, planer; grinding a variety of turning, boring, milling inserts, cutter and slotting.
- High precision, easy to operate. Is ideal for an alternative to the traditional hand-grinding sharpening tool.
- The high-strength edge FC30 cast iron, to maintain a permanent mechanical precision.
- M2 Model Grinding grinding a variety of CNC blade, clip blade machine, welding turning tools, boring tool and other tools.
   (R-type knife, the cutter is not grinding)

	Model		M3	
~~	Arc angle	TM	R0.2-R10	
	Speed		2800rpm	
	Voltage		220V/380V/55	0W/250W
	About worktable diameter		140mm	
	Grinding wheel		$\phi$ 125×50× $\phi$	32
	Dimension		$44 \times 34 \times 44$ cm	ı
	Weight		78kg	



# **Portable Chamfer**

## **R200**

Suitable for any length of non-heat treatment workpiece and any other parts which are hard to move. It is easy to operate, take less time.

The dump rail adopt good heat-treatment steel plate, which will abide rough use.

Standard square alloy bit ,easy to replace. Or you can use old bits that used in milling machine.

Model	R200
Chamfering height	0-9mm
Chamfering angle	15° ~45°
Power	380V 250W
Speed	2800rpm
Dimension	38×24×24.5cm
Weight	12kg

Notice: The Max.chamfer is 2mm to 3mm everytime.

# **ARC Angle Chamfer**

## **R300B**

- Applying to non-heat treatment workpiece for such as various mould, part of machine's chamfer.
- R300B is originative to chamfer the R angle of workpiece.
- The dump rail adopt good heat-treatment steel plate, which will abide rough use.
- Standard square alloy bit ,easy to replace. Or you can use old bits that used in milling machine.

Model	R300B	R500B
Chamfering height	R1-R4	0-3mm
Power	380V 250W	380V 550W
Speed	2800rpm	2800rpm
Dimension	53×51×24cm	53 x 42 x 39bm
Weight	28.8kg/32.8kg	36kg

The standard for R300B is R1, others should be done if needs.

Charmfer straight line 15° ~45°



Charmfer R angle

for more Information, scroll on

Specifications are subject to changed without prior notice.

R500

R300

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# BHAYY

# **High Speed Sliding Chamfer**



## R600

- Easy to adjust, use linear motion guide, can protect the surface of the products.
- Also can fix the table, reduce the cutting resistance and secondary burrs, which is better than R300 and R700B.
- The machine adopt Swedish SKF bearing and imported digital cuttings.

Model	R600	
Chamfering height	0-1.5mm	
Chamfering angle	45°	
Power	380V 250W	
Speed	8500rpm	
Dimension	60×29×37cm	
Weight	40kg	

# **Complex Chamfer**





## parts of mechanisms and mould. The angle of straight line part ca

**R800B** 

degree to 45 degree.

The angle of straight line part can be adjust from 15 degree to 45 degree.

It's suitable for reqular and irreqular parts of mechanism or mould. The angle of straight line part can be adjust from 15

It's easy ,quick to change the cutter, no need to clamp,easy operate

perfect chamfering, easy adjust, and economic, suitable for irreqular

It can instead the CNC maching center and general-purpose machine tools, which can not chamfer. It is convient, fast and accurate and the best choice for chamfering.

Model		R800B		
	Chamfering height	0-3mm (Straight)	0-2.5mm(Curved)	
	Chamfering angle	15°~45°(Straight)	45°(Curved)	
Power 380V/750W				
	Speed	8500rpm(Straight)	12000rpm (Curved)	
Dimension         53 × 44 × 69cm           Weight         75kg			69cm	
			)	



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# **Band Saw Blade Sharpener**

## **S**380

- It can grind various thin wood saw blade, double metal saw blade, carbide steel saw blade and so on.
- S350 is suitable for grinding the band saw that the teeth (back of teeth) is same. Automatically dial tooth, easy to operate, high precision. Make the old band saw reuse and save cost.
- S380 is a new multifunction and patent machine that can grind changeable teeth (tip) of band saw blade, such as 2/3, 3/4, 4/6 etc.

Model	S380
Saw blade width	16–45mm
Teeth space	3–30mm
Feed speed	40-60teeth/min
Grinding wheel	150mm
Power/Speed	380V/220V/550W/2800RPM
Dimension/Weight	$60 \times 50 \times 100 \text{ cm}/80 \text{ kg}$

## Saw Blade Sharpener

Q10

- Without model plate, can grind the teeth automatically. Adjustable speed, it is fast and accurate. It can grind the teeth. And it also can keep balance and efficiently.
- Q8 has the special grinder for welding saw blade.
- Q10 has the function of Q6、Q7、Q8, without the modulus plate, can grind the saw blades of Φ60 to Φ350.

Model	Q8	Q10	
Saw blade Dia.	ф350-ф500(ф600)	φ60-φ350	
Speed	45teeth/mir	۱	
Voltage	220V/380V	220V	
Power	550W/60W	250W/60W	
Dimension	60×60×100cm	62×62×72cm	
Weight	75kg	56kg	
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Q8

Specifications are subject to changed without prior notice.

S350

for more Information, scroll on

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## **Universal Cutter Grinder**



## **U**3

- The machine is necessary of CNC carving machine and milling machine.
- The universal cutter grinder U3 with the attachments can grind drill bit, lathe tool and ball cutter. The max. holding diameter: \$\$18mm

-	Model	U3
	Collet diamenter	03-18mm
	Motor	220V/380V 1/3HP 50HZ
	Speed	5300rpm
	Grinding wheel	$\phi$ 100 × 50 × $\phi$ 20
	Dimension	54 x 42 x 34cm
	Weight	56kg

Standard collet 5pcs, U3 is not included the three attachments.





Lathe tool

Ball cutter

Drill bit

6025

350mm

150mm

130×675mm

5000RPM

 $\phi$  150 × 16 ×  $\phi$  32mm

3/4HP 220V/380V

73×71×72cm

209kg/222kg







50E Spiral mill • ball cutter grinder

50K Drill bit • screw tap grind

50D End-milling cutter grinder

Toolbox 50B

Centre 50J

for more Information, scroll on

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## **Portable Beveling**

**BHAXYA** 

## **SKF-15**

- SKF-15 chamfering machine is specially designed for plate groove and chamfering. It is a convenient and dexterous machine. It can be used for deburring and chamfering of sheet metal before welding. It is light weight (compared with similar products), small vibration, smooth operation, the use of this machine is simple, safe, and can be applied to steel, cast iron, hard plastics, nonferrous metals and other materials.
- It is user-friendly, accurate, safe and save molding time. The surface of the workpiece is smooth and flat. It is designed for making the mould products beautiful.
- The machine is designed reasonably, easy to move, and equipped with safety button. No fault, no vibration, low noise, less dust. Low cost of power saving, standard chip for cutting, easy to replace.

Model	SKF-15
Max cutting edge width	15mm (adjustable)
Chamfering angle	30° - 60° (adjustable)
Power	380V, 50Hz,1.1kw
Speed	2870 r/min
Weight	18kg
Standard Equipment	Two butterfly type milling cutters,
	each with 6 high speed carbon
	steel embedded milling cutters

# High Speed Portable Chamfer



Specifications are subject to changed without prior notice.

## R200A

- 1. Applying to make untreatment parts of machine, mould shelf which is not easy to move. It is convenient and easy to operate.
- It is easy to replace stand tungsten steel quadrilateral edge (413051), and can use an old cutter.
- It is accurate and with perfect surface

Model	R200A
Chamfering height	0-9mm
Chamfering angle	15°-45°
Power	550W, 220V 1HP
Speed	3000-6000rmp
Dimension	50×24×25cm
Weight	16kg
Standard Equipment	Inserts*1 set

Notice: The Max. chamfer is 2mm to 3mm everytime.







## Quenching and hardening table

The overall forging shape of the worktable ensures the accuracy of the workpiece; suitable for steel, copper, aluminum and other gold It can be easily chamfered if it is zero.

#### Adjustable angle

Adjustable chamfering range: 15-45, chamfering thickness 0-9MM. The chamfering direction is marked on the guide rail.

#### Adjusting bolt

Adjust the chamfer size and adjust the bolts, and measure the scale to the corresponding size, which is convenient and simple to operate

for more Information, scroll on

# **Slide Complex Chamfer**



## **R900**

It is easy, quick to change the cutter, no need to clamp, easy operate, perfect chamfering, easy adjust, and economic, suitable for batch parts of machanism or mould.

ВНХУХ

- In-house developed straight line bevel edge function can make 45° adjustment. Need no attire clamping, simplicity of operation, neat bevel edge, easy adjustment greatly enhance operation efficiency. This bevel machine is suitable for batch machine parts production, mold bevel edge. Using high-speed bevel machine is the current trend of the development of mechanical industry.
- The machine adopt Swedish SKF bearing and imported digital cuttings.

Chamfering sample:

Model	R-900
Chamfering height	Straight line: 0-5mm Curved: 0-2.5mm
Chamfering angle	Straight line angle: 45° Curved angle: 45°
Power	3/4HP(750W), 380V
Speed	Straight line: 8500rpm Curved: 12000rpm
Dimension	51×42×60cm
Weight	73kg
Standard Equipment	Inserts*2 sets1 set for straight,1 set for curved
TM	

# **Magnetic Drill Machine**



	MODEL	V9223	V9228
	Drilling Dia.	23mm	28mm
	Magnetic Force	12000N	13000N
	Max. Angle	70 <sup>0</sup>	70 <sup>0</sup>
	Radial Displace.	30mm	30mm
	Drilling Depth	210mm	210mm
	Speed	300r/min	235r/min
	Power	1000W	1200W
	Weight	28kg	29kg
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All Precision Machines Under One Roof

# Crank Shaft Grinding Machine

## **TECHNICAL SPECIFICATIONS**

PARTICULARS / MODEL	CSG-2750	CSG-2200	CSG-1500
Height of Centre From The Table	350 MM	300 MM	265 MM
Maximum Swing Over Table	700 MM	600 MM	530 MM
Maximum Head Offset	140 MM	140 MM	100 MM
Maximum Distance Between Chuck	2725 MM	2150 MM	1450 MM
Maximum Weight Admitted Between Centre	1250 KGS	500 KGS	250 KGS
Diameter of Self Centering Chucks	250 MM	250 MM	200 MM
Diameter of Grinding Wheel	813 MM	813 MM	710 MM
Grinding Head Feed Per Turn of Handle Wheel	1 MM	1 MM	1 MM
Grinding Head Traverse With Control	350 MM	175 MM	150 MM
Work Head Spindle Rotation Speed (Variable)	20 - 90 RPM	20 - 90 RPM	20 -100 RPM
Table Slow Feed Per Turn of Hand Wheel	5 MM	5.4 MM	5.4 MM
Table Fast Feed Per Turn of Hand Wheel	3000 MM / MIN.	3000 MM / MIN.	15.2 MM (MANUAL)
Automatic Table Movement	YES	YES	OPTIONAL
Infinity Variable Grinding Wheel Spindle Rotation	760 RPM	760 RPM	900 RPM
Grinding Wheel Motor	7.5 HP / 1440 RPM	7.5 HP/ 1440 RPM	5 HP / 1440 RPM
Work Head Motor	1 HP / 0.75 KW / 1440 RPM	0.5 HP / 1440 RPM	0.5 HP /1440 RPM
Coolant Pump Motor	0.13 HP / 2800 RPM	0.13 HP/ 2800 RPM	0.13 HP / 2800 RPM
Servo Control Motor (Ggrinding Wheel Slide)	0.4 KW	0.4 KW	0.4 KW
Length of The Machine	5400 MM	4500 MM	3500 MM
Width of The Machine	2250 MM	1750MM	1750 MM
Height of The Machine	1650 MM	1650 MM	1550 MM
Work Space Required	7000 MM X 2000 MM	5100 MM X 1900 MM	5500 MM X 2000 MM
Work Height Required	1650 MM	1650 MM	1550 MM
Net Weight	5 TON	4 TON	3.25 TONS
Gross Weight	6.5 TON	4.5 TON	4 TONS
Shipping Volume	17 M3	17M3	15M3

for more Information, scroll on

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# Vertical Cylinder Fine Boring Machine

## **TECHNICAL SPECIFICATIONS**

	PARTICULARS / MODELS	VCBM 2500	VCBM 2200	VCBM 1500V	VCB 1500V	VCBM 1200V	VCB 1200V
2	Boring Capacity	62 - 265 MM	62 - 265 MM	48 - 220 MM	48 - 220 MM	62 - 135 MM	62 - 135 MM
	Boring Capacity With Extra Spindle		38 -350 MM	38 - 310 MM	38 - 310 MM	38 - 190 MM	38 - 190 MM
	MILLING LENGTH	2300 MM	1800 MM	1350 MM		1250 MM	
	MILLING WIDTH	400 MM	400 MM	350 MM	-	350 MM	
	MAXIMUM BORING HEAD TRAVEL	850 MM	850 MM	700 MM	700 MM	600 MM	600 MM
	MAXIMUM DISTANCE HEAD TO TABLE	1500 MM	1500 MM	1340 MM	1340 MM	1300 MM	1300 MM
	Max. Distance Between Outer Cylinder Center	2500 MM	1800 MM	1200 MM	1200 MM	900 MM	900 MM
	MAX. WORK PIECE ON TABLE	-	2500 KG	1000 KG	1000 KG	750 KG	750 KG
	SPINDLE SPEED MOTOR	2.2 KW / 3 HP	2.2 KW / 3 HP - 1440 RPM	1.5 KW / 2 HP			
	MOTOR RAPID & FEED	_`	0.4 KW Servo Control Motor	0.37 KW / 0.5 HP			
	MOTOR TABLE TRAVERSE LONGITUDINAL	2700 MM	0.37 KW / 0.5HP	0.37 KW / 0.5HP		0.37 KW / 0.5HP	
	SPINDLE SPEEDS	50 - 750 RPM	50 TO 750 RPM	50 TO 750 RPM	50 TO 750 RPM	50 TO 750 RPM	50 TO 750 RPM
			(infinitely Variable)	(infinitely Variable)	(infinitely Variable)	(infinitely Variable)	(infinitely Variable)
	SPINDLE FEEDS	-	10 To 100 MM / MIN	12 - 100 MM / MIN	12 - 100 MM / MIN	12 - 100 MM / MIN	12 - 100 MM / MIN
	Max. Distance From Spindle Centre To Column	500 MM	500 MM	410 MM	410 MM	360 MM (14.17")	360 MM
	WORKING TABLE SIZE (L X W)	2500 x 600 MM	2200 MM x 600 MM	1500 x 450 MM	1500 x 450 MM	1200 x 360 MM	1200 x 360 MM
	TABLE TRAVERSE - LONGITUDINAL	2700 MM	2050 MM	1850 MM	1350 MM	1300 MM	850 MM
	TABLE TRAVERSE - CROSS WISE	150 MM	150 MM	120 MM	120 MM	75 MM	75 MM
	LENGTH OF THE MACHINE	3300 MM	3300 MM	2800 MM	2500 MM	2200 MM	1900 MM
	WIDTH OF THE MACHINE	1800 MM	1800 MM	1440 MM	1420 MM	1300 MM	1300 MM
	HEIGHT OF THE MACHINE	3050 MM	3050 MM	2525 MM	2525 MM	2440 MM	2440 MM
	WORK SPACE REQUIRED ( L X W)	4500 X 1850 MM	4400 x 1850 MM	4050 x 1520 MM	4050 x 1520 MM	2880 x 1400 MM	2800 x 1700 MM
	NET WEIGHT	5000 KGS	4800 KGS	3500KGS	3000 KGS	2650 KGS	2500 KGS
	GROSS WEIGHT	6000 KGS	5800 KGS	4000KGS	3500 KGS	3300 KGS	3200 KGS
	SHIPPING VOLUME	15m3	15 M3	9.5M3	9 M3	9M3	7M3

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# Vertical Cylinder Honing Machine

	TECH	NICAL S	PECIFIC/	ATIONS
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PARTICULARS / MODEL	VCH 450EL	VCH 450
	62 MM (2.5")	62 MM (2.5")
MAXIMUM HONING DIAMETER	200 MM (8")	200 MM (8")
HONING DIAMETER WITH EXTRA HONING HEAD	38 MM - 250 MM (1.5" – 10")	38 MM - 250 MM (1.5" – 10")
MINIMUM HONING STROKE	50 MM (1.96")	50 MM (1.96")
MAXIMUM HONING STROKE	450 MM (17.7")	450 MM (17.7")
STROKE SPEED (INFINITELY VARIABLE)	1 - 12 M / MIN	1 - 12M / MIN
SPINDLE SPEED VARIABLE	25 - 200 RPM - 3 HP DRIVE	25 - 200 RPM - 3 HP DRIVE
MOTOR SPINDLE DRIVE	1.5 KW / 2 HP	1.5 KW / 2 HP
MAX. BLOCK LENGTH	1400 MM (55.1")	1100 MM (43")
MAX. BLOCK WIDTH	550 MM (21.7")	550 MM (21.7")
MAX. BLOCK HEIGHT	600 MM (23.6")	600 MM (23.6")
MOTOR POWER PACK	0.75 KW / 1 HP	0.75 KW / 1 HP
ELECTRIC COOLANT PUMP MOTOR	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP
HONING HEAD TRAVERSE	1300 MM (51.2")	1000 MM (39.3")
LENGTH OF THE MACHINE	1920 MM ( 75.5 ")	1620 MM ( 63.7")
WIDTH OF THE MACHINE	1300 MM (51.2")	1300 MM (51.2")
HEIGHT OF THE MACHINE	1850 MM (73")	1850 MM (73")
WORK SPACE REQUIRED (LXWXH)	2000 X 1400 X 2070 MM	1700 X 1400 X1970 MM
NET WEIGHT (APPROX.)	900 KGS	750 KGS
GROSS WEIGHT (APPROX.)	1600 KGS	1250 KGS
SHIPPING VOLUME	8 M3	6 M3
PACKING CASE OUTER SIZE (LXWXH)	2200 X 1500 X 2145 MM	1900 X 1500 X 2145 MM

for more Information, scroll on

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# Connecting Rod Boring Machine

## **TECHNICAL SPECIFICATIONS**

I LOTINICAL OF LOTI ICATIONS		
PARTICULARS /MODELS	CRB 600	CRB 450
BORE CENTER DISTANCE	80 MM TO 600 MM (3.1" X 23.6")	80 MM TO 450 MM (3.1" X 17.7")
BORING SPINDLE SPEED	INFINITY VARIABLE 100 -1000 RPM	INFINITY VARIABLE 100 -1000 RPM
BORING RANGE	15 MM TO 175 MM (0.6"- 7")	15 MM TO 140 MM (0.6"-5.5")
BOTTOM PART TRAVERSE CROSSWISE	50 MM (1.97")	50 MM (1.97")
TABLE MOVEMENT LONGITUDINAL	300 MM (11.8")	300 MM (11.8")
A.C MOTOR	1.5 KW / 2 HP	1.5 KW / 2 HP
D.C. MOTOR	0.19 KW / 0.25 HP	0.19 KW / 0.25 HP
LENGHT OF THE MACHINE	1300 MM (51")	1300 MM (51")
WIDTH OF THE MACHINE	800 MM (31.5")	800 MM (31.5")
HEIGHT OF THE MACHINE	1850 MM (73")	1700 MM (67")
WORK SPACE REQUIRED(LxWxH)	1800 MM X 1100 MM X 2000 MM	1800MM X 1100 MM X 1850 MM
NET WEIGHT(APPROX)	775 KGS	725 KGS
GROSS WEIGHT(APPROX)	1100 KGS	925 KGS
SHIPPING VOLUME	3 M3	3M3
PACKING CASE OUTER SIZE(LxWxH)	1500 MM X 950 MM X 2055 MM	1500 MM X 950 MM X 1905 MM

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# **Valve Seat Cutting Machine**

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TECHNICAL SPECIFICATIONS		
PARTICULARS / MODELS	VSC 777	VSC 999
SPINDLE TRAVEL	200 MM	200 MM
SPINDLE SPEED	30 - 500 RPM	30 - 500 RPM
BORING RANGE	18 – 60 MM	18 – 80 MM
SPINDLE SWING ANGLE	6°	6°
WORK HEAD LONGITUDINAL TRAVERSE	700 MM	1000 MM
WORK HEAD CROSS TRAVERSE	30 MM	30 MM
CYLINDER HEAD MAX (LXWX H)	800 X 550 X 450	1050 X 550 X 450
SPINDLE MOTOR POWER	0.25 KW	0.25 KW
AIR SUPPLY PRESSURE	6 BARS / 85 PSI	6 BARS / 85 PSI
ELECTRICAL SUPPLY	3 PH, 440 V, 50 HZ	3 PH, 440 V, 50 HZ
APPROXIMATE WEIGHT	1000 KGS	1300 KGS
MACHINE DIMENSION	1210 X 850 X 1900 MM	1600 X 850 X 1900 MM

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for more Information, scroll on

# Vertical Hydraulic Surface Grinding Machine



TECHNICAL SPECIFICATIONS	6000	1 million and the second secon	-14
PARTICULARS / MODELS	VSG 1800V	VSG 1500V	VSG 1300V
MAX.AUTOMATIC TABLE TRAVERSE	1800 MM (71")	1500 MM (59")	1300 MM (51")
HEAD VERTICAL TRAVERSE	900 MM (35.45')	720 MM (28.3")	600 MM (24")
SEGMENT WHEEL DIA	450 MM (17.7")	400 MM (15.7")	350 MM (14")
MAX. MILLING WIDTH	400 MM (15.75")	300 MM (14")	300 MM (11.8")
MAX.GRINDING WIDTH	450 MM (17.7")	400 MM (15.7")	350 MM (14")
MAX. GRINDING LENGTH	1500 MM (59")	1200 MM (47")	1000 MM (41")
Min./max.distance Between Table & Segment Wheel	0 - 900 MM (0 - 35.5")	0 - 720 MM (0-28.4")	0 - 600 MM (0-24")
DISTANCE FROM COLUMN TO TABLE CENTER	396 MM (15.6")	350 MM (14")	350 MM (14")
GRINDING SPINDLE ROTATION SPEED	900 RPM	1440 RPM	1440 RPM
MILLING SPEED VARIABLE	80 - 600 MM	80 - 700 RPM	80 - 700 RPM
Min./max.table Feed Speed (steplessly Variable)	0 - 4500 MM / MIN	0 - 4500 MM / MIN.	0 - 4500 MM / MIN.
SPINDLE MOTOR	7.5 KW / 10 HP	5.5 KW / 7.5 HP	3.75 - 0.75 K.W / 5 -1 HP
HEAD RAPID FEED MOTOR	0.44 KW servo motor	0.19 KW / 0.25 HP	0.19 KW / 0.25 HP
HYDRAULIC SYSTEM MOTOR	1.1 KW / 1.5 HP	0.75 KW / 1 HP	0.75 KW / 1 HP
COOLANT PUMP MOTOR	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP
LENGTH OF MACHINE	4000 MM (157")	2600 MM (103")	2480 MM (95")
WIDTH OF MACHINE	1300 MM (51")	1200 MM (47")	1200 MM (47.25")
HEIGHT OF MACHINE	2250 MM (89")	2050 MM (81")	1900 MM (75")
WORK SPACE REQUIRED (LXW)	5750 MM X 1600 MM	3800 X 1500 MM	3100 X 1500 MM
WORK HEIGHT REQUIRED	2350 MM (93")	2150 MM (85")	2050 MM (81")
NET WEIGHT	3000 Kg ( APPROX )	1850 KG (APPROX.)	1500 KG (APPROX.)
GROSS WEIGHT	3250 Kg ( APPROX )	2500 KG (APPROX.)	2420 KG (APPROX.)
SHIPPING VOLUME	15 M3	9 M 3	8 M 3
PACKING CASE OUTER SIZE (LXWXH)	4250 X 1500 X 2485 MM	2900 X 1400 X 2360MM	2650 X 1400 X 2205 MM

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## Wood Working Machines COMBI PLANNERS



**BHAXYA** 

**1 Machine 8 Functions** 

MODEL : J-1010

## Interchangeable Attachments







Model no	J-1013	J-1018	J-1010	J-1014	J-1015	J-1019	J-1025
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
Surfacing capacity	330/13"	455/18"	254/10"	330/13"	381/15"	455/18"	610/24"
Max.planing width	330/13"	455/18"	254/10"	330/13"	381/15"	455/18"	610/24"
Thickness capacity	177/7"	177/7"	177/7"	177/7"	177/7"	177/7"	177/7"
Length of surface table	1220/48"	1550/61"	1140/45"	1220/48"	1295/51"	1550/61"	1550/61"
Rebating capacity	12.5/1/2"	9/3/8"	12.5/1/2"	12.5/1/2"	12.5/1/2"	12.5/1/2"	12.5/1/2"
Length of thickness table	560/22"	660/26"	635/25"	640/25 1/4"	710/28"	735/29"	800/31 1/2"
Min.length of workpiece for thicknessing	254/10"	254/10"	254/10"	254/10"	254/10"	254/10"	254/10"
Feeding speed (feet per minute)	21	21	24	24	24	24	24
Cutter block diameter	95/3.75"	95/3.75"	95/3.75"	95/3.75"	95/3.75"	105/4.15"	120/4.72"
Cutter block speed(rpm)	4000	4000	4000	4000	4000	4000	4000
Standard cutter block- code no	3B	3B-W	2B	2B	2B	3B-W	3B-W
Circuler saw table size	610*305/24"*12"	610*305/24"*12"	610*305/24"*12"	610*305/ 24"*12"	610*355/24"*12"	610*355/24"*14"	610*355/ 24"*14"
Up/down movement of cir.saw table	75/3"	75/3"	75/3"	75/3"	75/3"	75/3"	75/3"
Max.circular saw diameter	300/12"	300/12"	300/12"	300/12"	300/12"	300/12"	300/12"
Power required -hp/rpm	3 /1440	5/1440	3/1440	3/1440	3/1440	5/1440	5/1440
			~	11-0	N - NJE		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Standard Accessories :- 3 planer blades fitted in cutter block, Miter gauge, Motor pully, Motor fixing plate, Safety guard for thicknessing, Toolkit & m/c manual

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**MODEL : J-303** 

## Wood Working Machines COMBI PLANNERS

MODEL : J-702

#### Standard Accessories :-Master Model :

Master models:- 4/3 planer blades fitted in cutter block, Mitre gauge, Motor pulley Motor fixing plate, V-belt guard, Toolkit & m/c manual

## Popular models :-

2/3 planer blades fitted in cutter block, Miter gauge, Motor pulley, Motor fixing rail, Toolkit & m/c manual (s=machine with circular saw attachment)

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COMBI PLANNERS-S	Master		Popular		
Model no	J-702	J-703	J-302	J-303	J-303L
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
Surfacing capacity	455/18"	610/24"	254/10"	330/13"	330/13"
Max.planing width	455/18"	610/24"	254/10"	330/13"	330/13"
Thicknessing capacity	200/8"	200/8"	177/7"	177/7"	177/7"
Length of surface table	1550/61"	1550/61"	1140/45"	1220/48"	1550/61"
Rebating capacity	12.5/1/2"	12.5/1/2"	12.5/1/2"	12.5/1/2"	12.5/1/2"
Length of thickness table	760/30"	915/36"	610/24"	660/26"	660/26"
Min.length of workpiece for thicknessing	254/10"	254/10"	254/10"	254/10"	254/10"
Feeding speed (feed per minute)	24	24	24	24	24
Cutter block diameter	120/4.72"	120/4.72"	95/3.75"	95/3.75"	95/3.75"
Cutter block speed (rpm)	4000	4000	4000	4000	4000
Standard cutter block-code no	3B-W	3B-W	2B	3B-W	3B-W
Circular saw table size	610*355/24"*14"	610*355/24"*14"	560*280/22"*11"	560*280/22"*11"	560*280/22"*11"
Up/down movement of cir.saw table	75/3"	75/3"	75/3"	75/3"	75/3"
Max.circular saw diameter	300/12"	300/12"	300/12"	300/12"	300/12"
Power required - hp/rpm	5/1440	5/1440	2/1440	3/1440	3/1440

## **Wood Working Machines SURFACE PLANNERS**

MODEL	· .l-127I	

**BHAXYA** 

SURFACE PLANNERS		Mast	er(Box Type)
Model no	J-127	J-118	J-119
		J-128	J-129
	mm/inch	mm/inch	mm/inch
Surfacing capacity	330/13"	455/18"	610/24"
Length of surface table	1295/51"	1550/61"	1550/61"
Rebating capacity	12.5/1/2"	12.5/1/2"	12.5/1/2"
Cutter block diameter	95/3.75"	105/4.15"	95/3.75"
Cutter block speed (rpm)	4000	4000	4000
Standard cutter block-code no	3B-W	3B-W	3B-W
Circular saw table size	610*355/24"*14"	610*355/24"*14"	610*355/24"*14"
Up/down movement of cir.saw table	75/3"	75/3"	75/3"
Max.circular saw diameter	300/12"	300/12"	300/12"
Power required -hp/rpm	2/1440	3/1440	3/1440

#### Standard Accessories :

3 planer blades fitted in cutter block Mitre gauge, Motor pulley, Motor fixing rail, Toolkit & m/c manual (s=machine with circular saw attachment)

## **Drilling Attachments for surface planner**

#### **Master Model**

**Popular Model** 





## MODEL : J-107 L

	SURFACE PLANNERS				Popular (Open	
	Model no	J-106	J-107	J-107L	J-206	J-207
		mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
Standard Accessories :-	Surfacing capacity	254/10"	330/13"	330/13"	228/9"	305/12"
2 planer blades fitted in	Length of surface table	1220/48"	1295/51"	1550/61"	1220/48"	1220/48"
	Rebating capacity	12.5/1/2"	12.5/1/2"	12.5/1/2"	12.5/1/2"	12.5/1/2"
cutter block, Mitre gauge,	Cutter block diameter	95/3.75"	95/3.75"	95/3.75"	95/3.75"	95/3.75"
Notor pulley,	Cutter block speed (rpm)	4000	4000	4000	4000	4000
Motor fixing plate,	Standard cutter block-code no	2B	2B	2B	2B	2B
Foolkit & m/c manual.	Circular saw table size	610*355/24"*14"	610*355/24"*14"	610*355/24"*14"	560*280/22'*11"	560*280/22'*11"
	Up/down movement of cir.saw table	75/3"	75/3"	75/3"	75/3"	75/3"
(L=machine with 61" table length,	Max.circular saw diameter	300/12"	300/12"	300/12"	300/12"	300/12"
L=machine with 72" table length)	Power required -hp/rpm	2/1440	2/1440	3/1440	2/1440	2/1440

for more Information, scroll on

## Wood Working Machines THICKNESS PLANNERS



MODEL : J-2019

THICKNESS PLANNERS	Planomax		
Model no	J-2014	J-2015	J-2019
	mm/inch	mm/inch	mm/inch
Max. Planing width	330/13"	381/15"	455/18"
Thicknessing capacity	177/7"	177/7"	177/7"
Length of thickness table	640/25 1/4"	710/28"	735/29"
Min. Length of workpiece for thicknessing	254/10"	254/10"	254/10"
Feeding speed (feet per minute)	24	24	24
Cutter block diameter	95/3.75"	95/3.75"	95/3.75"
Cutter block speed (rpm)	4000	4000	4000
Standard cutter block-code no	2B	2B	3B-W
Size of dust collector port-dia	100/4"	100/4"	100/4"
Power required hp/rpm	3/1440	3/1440	5/1440

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#### **Standard Accessories :-**

2/3 planer blade fitted in cutter block, Motor pulley, Motor fixing plate, Toolkit & m/c manual



**MODEL : J-601** 

## THICKNESS PLANNERS Heavy Duty

Model no	J-601	J-603
	J-502	J-503
	mm/inch	mm/inch
Max. Planing width	455/18"	610/24"
Thicknessing capacity	200/8"	200/8"
Length of thickness table	760/30"	915/36"
Min. Length of workpiece for thicknessing	254/10"	254/10"
Feeding speed (feet per minute)	24	24
Cutter block diameter	95/3.75"	95/3.75"
Cutter block speed (rpm)	4000	4000
Standard cutter block-code no	3B-W/2B	3B-W/2B
Power required hp/rpm	5/1440	5/1440
VIII		1

AUTO MOULD moulding table size up/down movement of table cross movement of table max. moulding block width

**MODEL : J-502** 

mm/inch 455\*150/18"\*6"

60/2 1/2"

25/1"

75/3"



Standard accessories : Moulding block-3" length and v-block



## Wood Working Machines THICKNESS PLANNERS

MODEL : J-401

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MODEL : J-412

MODEL : J-313

THICKNESS PLANNER	Popular			Popular ( Open St	and )
Model no	J-411 J-401	J-412 J-402	J-413 J-403	J-312	J-313
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
Max. Planing width	330/13"	455/18"	610/24"	254/10"	330/13"
Thicknessing capacity	200/8"	200/8"	200/8"	177/7"	177/7"
Length of thickness table	660/26"	660/26"	760/30"	610/24"	660/26"
Min. Length of workpiece for thicknessing	254/10"	254/10"	254/10"	254/10"	254/10"
Feeding speed (feet per minute)	24	24	24	24	24
Cutter block diameter	95/3.75"	95/3.75"	95/3.75"	95/3.75"	95/3.75"
Cutter block speed (rpm)	4000	4000	4000	4000	4000
Standard cutter block-code no	2B	2B	2B	2B	2B
Power required hp/rpm	3/1440	3/1440	5/1440	2/1440	3/1440

#### Standard Accessories :-

2 planer blades fitted in cutter block, Motor pulley, Motor fixing plate, Toolkit & m/c manual, Model No. J-312 & J-313 :- 2 planer blades fitted in cutter block, Motor pulley, Motor fixing rail, Toolkit & m/c manual

for more Information, scroll on

# Wood Working Machines SPINDLE PLANNERS



**BHAYY** 

For easy sliding equiped with a convenient wood clamping facility for tenon work

TILTING ARBOUR Spindle Moulder MODEL : J-504 ( T)



Fence Assembly : Fence for the setting of precise depth of cut. Entire fence assembly can be easily removed for free hand moulding of curved or irregular work.

## Standard Accessories :-

Model J-1504 (st) 5 hp/2800 rpm ele. Motor, Motor pulley, Motor plate, Washer set, Starter v-belt, Toolkit & m/c manual

Note :- Up to 10hp 3 ph capacity motor can be fitted on this machine Model J-504 (t) & J-504 (h):-Moulding block 3" length, Motor pulley Motor fixing plate, Washer set, Miter gauge, Toolkit & m/c manual



Arc moulding fixtures with bearing guide.

## MODEL : J-504 (H)

SPINDLE MOULDER	Prima	Max	Master
Model no	J-1504 (ST)	J-504(T)	J-504 (H)
	mm/inch	mm/inch	mm/inch
Work table size	1120 x480/ 44"x19"	835x760/ 33"x30"	835x835/ 33"x33"
Sliding table size	1120x280/ 44"x11"	-	· n/[5]
Sliding table movement	1000/39"	-	-
Spindle diameter	30/1 3/16"	31.75/1 1/4"	31.75/1 1/4"
Up/down movement of spindle	75/3"	100/4"	125/5"
Arbour tilt-degree		45	
Spindle speed (rpm)	6000/8000	6000	6000
Power required hp/rpm	5/2800	3/2800	3/2800

Note : Mitre gauge with the wood clamping facility available in model J-1504 (ST) & J-504 (T)

# Wood Working Machines



## SPINDLE MOULDER

## BASIC SPINDLE MOULDER

	wodel no	J-404
		mm/inch
	Work table size	610X 610 /24" X 24"
	Spindle diameter	31.75/1 1/4"
-	Up/down movement of spindle	100/4"
	Spindle speed (rpm)	6000/9000
4	Power required hp/rpm	2/2800

## Standard accessories :-

Moulding block 3" length, Routing rip fence Motor pulley, Motor fixing plate, Washer set & v-belt guard, Collet -12 mm hole with 8 mm hole sleeve, Sample router cutter -1 no, Toolkit & m/c manual



**MODEL : J-404** 

## Routing work table as standard Acce. (Optional) Circular Design Attch. (CDA)

 
 Model
 CDA mm/inch

 Max.width of wood
 305/12"

 Table cross movement
 150/6"

 Table swivel movement degree
 360

## Basic Router Model no

1

TM	mm/inch
Throat clearance	380/15"
Spindle vertical movement	25/1"
Work table size	355x355/14"x14"
Up/down movement of table	125/5"
Routing work table size	610x420/24"x16 1/2"
Table tilt degree	15
Spindle speed (rpm)	11000
Power required hp/rpm	1.5/2800

J-901

## Standard Accessories :-

Routing work table, R/f switch, 3 nos. Different size guide pins, sample cutter 3 nos, Collet -12 mm hole with 8 mm hole sleeve, Motor pulley, Motor fixing plate Flat belt, Toolkit & m/c manual

MODEL : J-901

Specifications are subject to changed without prior notice.

for more Information, scroll on

## **Wood Working Machines CIRCULAR & RADIAL SAW**

**TILTING ARBOUR CIRCULAR SAW** With Sliding Table





MODEL : J-634 (ST)

## **TILTING ARBOUR CIRCULAR SAW**

Model no Tilting Arbour		J-634 (ST)	J-634	
	Circular Saw	mm/inch	mm/inch	
	Max circular saw diameter	355/14"	355/14"	
	Max.depth of cut	114/4 1/2"	114/4 1/2"	
	Arbour tilt-degree	45	45	
	Work table size	915x785/36"x31"	915x785/36"x31"	
	Sliding table size	710x400/28"/15 3/4"	-	
	Sliding table movement	1000/39"	-	
	Size of dust collection port-dia	100/4"	100/4"	
	Circular saw speed (rpm)	4000	4000	
	Power required hp/rpm	3/1440	3/1440	

#### Standard Accessories :-

Mitre gauge, Motor pulley, Motor fixing plate, Saw guard, Mitre gauge with wood clamping facility in model J-634 (st)Toolkit & m/c manual



MODEL: J-634



The saw blade can be cut with 45° tilted saw blade, can be adjusted between 0° to 90°



## **RADIAL SAW**

Model no Radial Saw	J-925 (A) mm/inch
Max.circular saw diameter	350/14"
Max.depth of cut	90/3 1/2"
Max.crosscut capacity	550/21 1/2"
Work table size	890 x 1145 / 35"x 45"
Power required hp/rpm	3/2800

#### Standard accessories :-

Starter, 1 no electric motor of 3 hp-2800 rpm (3 phase) Saw guard & toolkit

# Wood Working Machines CIRCULAR SAW

MODEL : J-434 W/O Tilting

**MODEL : J-533** 

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MODEL : J-534

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## ADJUSTABLE CIRCULAR SAW

	Master			Popular		
Model no	J-534	J-535	J-536	J-434	J-435	J-533
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
Max.circular saw diameter	305/12"	455/18"	610/24"	305/12"	455/18"	200/8"
Max.depth of cut	89/ 3 1/2"	140/ 5 1/2"	190/7 1/2"	89/3 1/2"	140 / 5 1/2"	50/2"
Table tilt-degree	45	45	45	-	-	45
Work table size	660x560 /26"x22"	915x610 /36"x24"	1015x635/40"x25"	915x760/36"x30"	1015x760 /40"x30"	455x355/18"x14"
Circular saw speed (rpm)	4000	4000	4000	4000	4000	3000
Power required hp/rpm	3/1440	5/1440	5/1440	3/1440	5/1440	1/1440

#### Standard Accessories :-

For model J-534, 535, 536 :- mitre gauge, motor pulley, motor rail, saw guard& tool kit For model J-434, J-435 :-motor pulley, motor rail, tool kit & m/c manual For model J-533 :- mitre gauge, saw guard, motor pulley. Extra Accs. :-stand for motor fixing

## **JIG SAW**

Model no	J-819	J-820
	mm/inch	mm/inch
Throat depth	610/24"	915/36"
Cutting capacity	32/ 1 1/4"	32/1 1/4"
Table size	355 x305 /14" x12 "	405x355/16"x14"
Approx.engine speed (rpm)	525/625	525/625
Power required hp/rpm	1/1440	1/1440





# Wood Working Machines

## **CHAIN n CHISEL MORTISER**

Model no	J-1930 mm/inch
Table size	455 x 150 /18" x 6"
Max.height of workpiece on table	254 /10"
Max.height of door or frame	1000/39"
Max.depth of cut-chain mortiser	140 / 5 1/2"
Max.depth of cut-chisel mortiser	90/ 3 1/2"
Longitudinal movement of head/table	305/12"
Table tilt-degree	45
Size of dust collection port-dia	100 /4"
Air pressure required (kg/cm2)	5 to 7
Electric motor (hp/rpm)	2/1440

## Standard Accessories :-

1 no ele. Motor of 2 hp/1440 rpm (3 phase)

1/2" chain set, R/f switch, Oil bowl.

Grinding wheel & v-belt fitting in grinding attachment Toolkit & m/c manual

Note :-m/c with motor of 1.5 hp 1 phase at extra cost

MODEL : J-1930

Prima

## **CHISEL MORTISER**

Model no Chisel Motiser	J-1920 mm/inch
	mm/men
Table size	530 x 200 / 21"x 8"
Max.chisel capacity	6 mm to 19 mm
Max.depth of cut	90/ 3 1/2"
Cross movement of table	100/4"
Longitudinal movement of table	305/12"
Max.height of workpiece on table	150/6"
Up/down movement of table	90/ 3 1/2"
Air pressure required (kg/cm 2)	5 TO 7
Power required hp/rpm	1/2800

#### **Standard Accessories :-**

Model J-1920 01 no ele. Motor of 1 hp/2800 rpm-3phase,r/f switch , 1/2" chisel set, drill chuck, tool kit & machine manual Model J-920 (e) 01 no ele. Motor of 0.5 hp/2800 rpm -1 phase, starter,3/8" chisel set, drill chuck, tool kit & m/c manual

MODEL : J-1920

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# **BHAXYA**

# **Wood Working Machines** MORTISER

## MODEL : J-930(H)

(	CHAIN MORTISER	MAX
)	Model no	J-930 (H) mm/inch
	Table size	560 x 255 / 22'
	Up/down movement of table	90 / 3 1/2"
	Cross movement of table	100 / 4"
	Longitudinal movement of table	305 / 12"
	Max.depth of cut	140 / 5 ½"
	Power required hp/rpm	3 / 1440

Master	Popular		
J-930 mm/inch	J-930 (E) mm/inch		
550 x 290 / 21.½" x 11 ½"	560 x255 / 22" x 10"		
75 / 3"	75 / 3"		
100 / 4"	100 / 4"		
305 / 12"	305 / 12"		
140 / 5 1⁄2"	140 / 5 ½"		
2 / 1440	2 / 1440		

**MODEL : J-930** 

MODEL : J-930 (E)

## Standard Accessories :-

1 no electric motor of 3 hp/1440 rpm (3 phase) in model J-930 (h)

2 hp/1440 rpm (3 -phase) in model J-930 & J-930 (e) 1/2" chain set, R/f switch, Oil bowl, Grinding wheel & v-belt fitted in grinding attachment, Toolkit & m/c manual Note :- m/c with motor of 1.5 hp 1 -phase at extra cost

## **TENONING MACHINE**

	TENOMAC	Prima	MAX
	MODEL NO	J-1919	J-919
		mm/inch	mm/inch
8	Table size	740x470 / 29"x18 ½"	535x203 / 21"x8"
	Table movement	800/ 32"	200 / 8"
	Max length of tenon	150 / 6"	150 / 6"
	Max. width of workpiece	200 / 8"	$\underline{J}$
	Top cutter horizontal adjust	25 / 1"	12.5 / 1⁄2"
	Max. circular saw dia.	254 / 10"	- 52
	Max. depth of cut circular saw	50 / 2"	-
	Size of dust collection port-Dia	100 / 4"	-
4	2 Nos. Ele.Motor-Tenoning(HP/RPM)	2 / 2800	2 / 2800
_	Ele. Motor -circular saw (HP/RPM)	1 / 2800	- NAI

#### Standard Accessories :- J - 1919

2 no electric motor of 2 hp/2800 rpm (3 phase),1 hp/2800 rpm (3 -phase), 2nos. R/f switch, 2 nos. carbide cutter blocks, mitre gauge, saw guard, Toolkit & m/c manual

## Standard Accessories : J-919

2 no electric motor of 2 hp/2800 rpm (3 phase), 2 nos. carbide cutter blocks, mitre gauge, Toolkit & m/c manual



" x 10"

for more Information, scroll on



**MODEL : J-922** 

# **Wood Working Machines**



**MODEL : J-922 H** 

Popular (Bench Model)

**MODEL : J-921** 

## Master (Floor Model)

NG LATHES			Heavy Duty		Light Duty	
J-911 J-921		J-931	J-922 H	J-932 H	J-922	J-932
4.5 ft	6 ft	8 ft	6 ft	8 ft	6 ft	8 ft
mm / inch	mm / inch	mm / inch	mm / inch	mm / inch	mm / inch	mm / inch
1370 / 54"	1825 / 72"	2435 / 96"	1825 / 72"	2435 / 96"	1825 / 72"	2435 / 96"
215 / 8 1⁄2"	215 / 8 1⁄2"	215 / 8 1⁄2"	130 / 5"	130 / 5"	130 / 5"	130 / 5"
165 / 6 ½"	203 / 8"	203 / 8"	203 / 8"	203 / 8"	165 / 6 ½"	165 / 6 1⁄2"
760 / 30"	1220 / 48"	1830 / 72"	1220 / 48"	1830 / 72"	1220 / 48"	1830 / 72"
700 / 1400 / 2800	700 / 1400 / 2800	700 / 1400 / 2800	700 / 1400 / 2800	700 / 1400 / 2800	700 / 1400 / 2800	700 / 1400 / 2800
190 / 7 1⁄2"	190 / 7 1⁄2"	190 / 7 1⁄2"	190 / 7 1/2"	190 / 7 1⁄2"	190 / 7 1⁄2"	190 / 7 1⁄2"
1 / 1440	1/1440	1 / 1440	1 / 1440	1 / 1440	1 / 1440	1/ 1440
	J-911 4.5 ft mm / inch 1370 / 54" 215 / 8 ½" 165 / 6 ½" 760 / 30" 700 / 1400 / 2800 190 / 7 ½"	J-911         J-921           4.5 ft         6 ft           mm / inch         mm / inch           1370 / 54"         1825 / 72"           215 / 8 ½"         215 / 8 ½"           165 / 6 ½"         203 / 8"           760 / 30"         1220 / 48"           700 / 1400 / 2800         700 / 1400 / 2800           190 / 7 ½"         190 / 7 ½"	J-911         J-921         J-931           4.5 ft         6 ft         8 ft           mm / inch         mm / inch         mm / inch           1370 / 54"         1825 / 72"         2435 / 96"           215 / 8 ½"         215 / 8 ½"         215 / 8 ½"           165 / 6 ½"         203 / 8"         203 / 8"           760 / 30"         1220 / 48"         1830 / 72"           700 / 1400 / 2800         700 / 1400 / 2800         700 / 1400 / 2800           190 / 7 ½"         190 / 7 ½"         190 / 7 ½"	J-911         J-921         J-931         J-922 H           4.5 ft         6 ft         8 ft         6 ft           mm / inch         mm / inch         mm / inch         mm / inch           1370 / 54"         1825 / 72"         2435 / 96"         1825 / 72"           215 / 8 ½"         215 / 8 ½"         215 / 8 ½"         130 / 5"           165 / 6 ½"         203 / 8"         203 / 8"         203 / 8"           760 / 30"         1220 / 48"         1830 / 72"         1220 / 48"           700 / 1400 / 2800         700 / 1400 / 2800         700 / 1400 / 2800         700 / 1400 / 2800           190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"	J-911         J-921         J-931         J-922 H         J-932 H           4.5 ft         6 ft         8 ft         6 ft         8 ft           mm / inch           1370 / 54"         1825 / 72"         2435 / 96"         1825 / 72"         2435 / 96"           215 / 8 ½"         215 / 8 ½"         215 / 8 ½"         203 / 8"         203 / 8"         203 / 8"           60 / 30"         1220 / 48"         1830 / 72"         1220 / 48"         1830 / 72"         700 / 1400 / 2800	J-911         J-921         J-931         J-922 H         J-932 H         J-922           4.5 ft         6 ft         8 ft         6 ft         8 ft         6 ft         6 ft           mm / inch         1825 / 72"         2435 / 96"         1825 / 72"         2435 / 96"         1825 / 72"         2435 / 96"         1825 / 72"         130 / 5"         130 / 5"         130 / 5"         130 / 5"         130 / 5"         130 / 5"         130 / 5"         120 / 48"         1830 / 72"         1220 / 48"         165 / 6 ½"         120 / 48"         165 / 6 ½"         120 / 48"         1830 / 72"         1220 / 48"         120 / 48"         120 / 48"         120 / 48"         120 / 48"         100 / 71/2"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"         190 / 7 ½"

## Standard accessories :-

motor pulley, motor plate, face plate, 3 pin center, revolving - center ,v-belt & m/c manual

motor fixing stand, motor rail in popular bench models.



## **BLADE GRINDERS**

Model No.	J-234	J-235	J-236	J-234 C	J-235 C	J-236 C	J-124	J-125
	mm/inch							
Max. grinding capacity	330/13"	455/18"	610/24"	330/13"	455/18"	610/24"	330/13"	455/18"
Grinding wheel diameter	150/6"	150/6"	150/6"	100/4"	100/4"	100/4"	150/6"	150/6"
Power requred HP/RPM	0.5/1440	0.5/1440	0.5/1440	0.5/1440	0.5/1440	0.5/1440	0.5/1440	0.5/1440
Approx weight of m/c-kg	70	80	90	75	85	95	30	35

### **STANDARD ACCESSORIES :-**

Grinding wheel safety guard, motor pulley, motor plate(only in master) Extra acce :- Grinding wheel

**VOOD VORKIZO** 

# Wood Working Machines Cold Press

• M/c suitable for pressing various types of laminations on composite wood, cork board, fiber board, honeycomb board

ВНЛУУЛ

 Having various applications for furniture & boards lamination Industry





Model No.		J-50T	J-100T
Max. load on work table	Ton	50	100
Platen size	mm	2500 x 1250	2500 x 1300
Max. platen opening	mm	1000	1000
No. of hydraulic cylinders	nos	2	4
Bore size of hydraulic	mm	125	125
cylinders			
Total power	hp	5	5
Approx. net weight	kg	2200	3000

for more Information, scroll on

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# Wood Working Machines

**Hot Press** 

- Suitable for pressing & laminating on fibre boards decorative papers, plywood etc..
- Can be used for Particle / MDF HDF board

	J-120T1	J-120T3
Ton / kg-cm <sup>2</sup>	120 / 3.6	120 / 3.6
mm	2500 x 1300 x 42	2500 x 1300 x 42
nos	One	Three
mm	380	100
nos	6	6
mm	90 ?	90 ?
kW	/ 18	27
r kW	1.12	1.12
kW	4	4
kW	23.12	32.12
	mm nos mm nos mm kW kW	Ton / kg-cm²       120 / 3.6         mm       2500 x 1300 x 42         nos       One         mm       380         nos       6         mm       90 ?         kW       18         kW       1.12         kW       4

## Wood Working Machines Roller Press

Model No.		J-1200.in	
Maximum workpiece width	mm	1360	
Maximum workpiece thicknes	s mm	80	
Workpiece feed	m / min	1 to 7	
Air pressure require	kg / cm2	5 to 7	
Total power	hp	6.83	

• It is used to cover laminates / papers / acrylics / veeners / PVC foil on the materials such as MDF, particle board / plywood.

- Hard rubber rollers and four heater elements, that ensures perfect fix of laminates on board.
- Motorized up / down movement for thickness adjustment
   Consumes less energy as comparto other eress



## for more Information, scroll on

**SOOD SOURTING** 

# **Wood Working Machines Double Head CNC Routers**

R

Model No.		J-1325 DH-AS (Asynchronous)	J-1325 DH-S (Synchronous)
X - Y - Z axis working area	mm	1300 x 2500 x 200	1300 x 2500 x 200
Spindle power / speed	no. / hp / rpm	2 x 5 / 18000	2 x 5 / 18000
Spindle type	-	Air cooled	Water cooled
Traveling posioning accurac	cy mm	±0.1	±0.1
X - Y working delicacy	mm	±0.05	±0.05
Body structure		Steel structure	Steel structure
		with six legs	with six legs
Drive motors		Stepper	Stepper
Inverter	kW	Fuling 3.7	Fuling 3.7
Guide rail	mm	20 "Hiwin" guide rail	20 "Hiwin" guide rail

Above models with vacuum table also available

ВНХУХ™



J-1325 DH-S (Synchronous) also available

## **Wood Working Machines Hi-speed Router**

Model No.		J-903
Throat clearance	mm	750
Work table size	mm	800 x 600
Up-down movement table	mm	130
Table tilt	degree	45°
Spindle rpm	r/min	8000 / 16000
Guide pin dia.	mm	6 & 12.7
Shank dia. of cutter	mm	12
Spindle actuation	-	Pneumatic
Air required	kg / cm²	5 to 7
Power - RPM	hp	4 / 1400 & 2800

Designed for high speed production routing for getting clean, fast cuts when routing, moulding, making dovetails, grooving, mortising, tenoning & rebating

for more Information, scroll on

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Wood Working Machines CNC Routers

J-1325 VT + with Servo Motor (Heavy Duty)

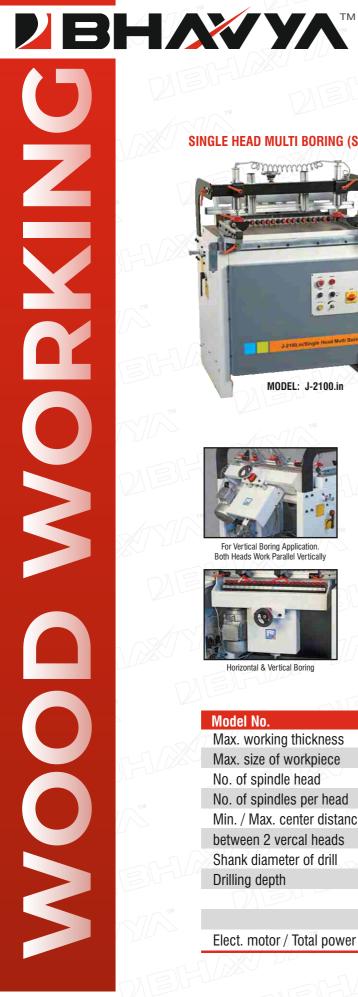
> J-1325 with Stepper Motor

J-1325 CNC I

Model No.		J-1325 + (Heavy Duty) Unit with Servo Motor	J-1325 with Stepper Motor	
X - Y - Z axis working area	mm	1300 x 2500 x 200	1300 x 2500 x 200	
Traveling posioning accuracy	mm	±0.05	±0.1	Rotary attachment (Optional)
X - Y working delicacy	mm	< 0.01	±0.05	
Body structure		Heavy Steel structure	Steel structure	Pare -
		with six legs	with six legs	
Drive motors		Servo	Stepper	
Inverter	kW	Fuling 5.5	Fuling 3.7	
Guide rail	mm	25 "Hiwin" guide rail	20 "Hiwin" guide rail	
Approx. weight	Kg	1150	800	

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**VODD VORKIZO** 









Boring Head With Pneumatic Tilting System Horizontal / Vertical & 45°

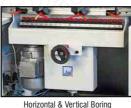


For Vertical Boring Application

## **DOUBLE HEAD MULTI BORING (SEMI AUTO)**



For Vertical Boring Application. Both Heads Work Parallel Vertically



MODEL: J-2102.in

Model No.		J-2100.in	J-2102.in
Max. working thickness	mm	70	70
Max. size of workpiece	mm	2000 x 800	2000 x 640
No. of spindle head	nos	One	Two
No. of spindles per head	nos	21	21
Min. / Max. center distance			
between 2 vercal heads	mm	n/a	392 / 472
Shank diameter of drill	mm	10	10
Drilling depth	mm	0 - 50	0 - 50
		drill length	drill length
		70 mm	70 mm
Elect. motor / Total power	no / hp	$1 \times 2 = 2$	$2 \times 2 = 4$

for more Information, scroll on

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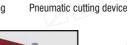
# Wood Working Machines Curvilinear Edge Banders





**BHXYX** 

Hylum surface working table with 45° tilt





Gluing & bonding system

MODEL: J-2500.in

Edge Bander machine for application of PVC/ABS or veneer on straight or shaped panels

- Pneumatic cutting device for pre-defined length
- Glue roller apply glue on board & tape for perfect bonding
- German gearbox for smooth & power drive with long life synthetics lubrication
- Electronic digital temp. controller with safety circuit, which allows to start the drive motor only when the hot glue has reached the set temperature.

	J-2000.m/Curvilinear Edge Bander
	MODEL: J-2000.in
Entry-leve	Edge Bander machine

for application of PVC/ABS or veneer on straight or shaped panels @ unbeatable cost

Model No.		J-2500.in	J-2000.in
Table size (L x B)	mm	1100 x 800	1100 x 800
Minimum work piece length	mm	280	280
Work piece thickness range	mm	10-50	10 - 50
Banding thickness	mm	0.4 - 2.0	0.4 - 2.0
Min - Radius for curved edging	mm	20	20
Glue pot capacity	kg	1.5	1.5
Feed speed	m / min	4 to 16	12
Front table It angle	degree	0° & 45 °	n/a
Maximum seng temperature	O°	180°	180°
Compressed air requirement	hp / kg / cm²	0.5 / 5-7	0.5 / 5.7
Heang element	kw	1.5	1.5
Electric motor	kw	0.37 (415V, 3Ø)	0.37 (415V, 3Ø)
Power supply	voltage / Ø	415V, 3Ø	415V, 3Ø*
Machine dimension (L x B x H)	mm	1750 x 920 x 950	1750 x 920 x 950
Approx. net weight	kg	240	215

**VOOD VORKIN** 

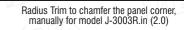
# **Wood Working Machines Edge Trimmer**

End Cutting Trimming Buffing

A pneumatic cutter for cutting excessive band length before trimming & buffing. Trimming units have linear bearings for precision movements. Buffing wheels ensures the buffing of top & bottom edge of panel in one pass.

1-3003R in (2.0) | Ed

- Lateral adjustment by position indicator for edge trimming thickness 0.4 to 2mm with 2R cutter.
- Workpiece thickness adjustment by position indicator.



Model No.		J-3003R.in (2.0)	J-3003.in (2.0)	
Trimming	TM	ALEA	DIL LIZAV	
Work piece thickness range	mm	10 - 55	10 - 55	
Max. trimming thickness	mm	3	3.	
Spindle speed	rpm	18000	18000	
Power	no / hp	2 x 1.0	2 x 1.0	
Buffing				
Workpiece thickness range	mm	10 - 55	10 - 55	
Spindle speed	rpm	1400	1400	
Power	no / hp	2 x 0.5	2 x 0.5	
Radius trimming power	hp	0.4	n/a	
Total power	hp	3.4	3	
Approx. net weight	kg	300	275	
- TUNKI -		2		

for more Information, scroll on

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# Wood Working Machines Curvilinear Edge Banders

The efficient Edge Bander machine for 45° & 90° panels. 45°Edge Banding panels are widely used for mfg. handleless drawer, door frame, worktable etc.



Gluing & bonding system



Hylum surface working table with 45° tilt





Inclined 45° Edge Banding





Pneumatic cutting device



MODEL: J-3000.in

MODEL: J-3045.in

The most efficient Edge Bander machine for straight and curved panels. You can pre-define the length of band per piece. Gluing, pasting & cutting the edge is done automatically



Hylum surface working table with 45° tilt

Model No.		J-3045.in	J-3000.in
Table size (L x B)	mm	1150 x 900	1150 x 900
Minimum work piece length	mm	280	280
Work piece thickness range			
- Inclined 45° Edge	mm	10 - 25	n/a
- Full Straight Edge	mm	10 - 50	10 - 50
Banding thickness	mm	0.4 - 2.0	0.4 - 2.0
Min - Radius for curved edging	mm	20	TM 20
Glue pot capacity	kg	3	3
Feed speed	m / min	4 to 16	4 to 16
Front table It angle	degree	0° to 45°	0° to 45°
Maximum seng temperature	°C	180°	180°
Compressed air requirement	hp / kg / cm²	0.5 / 5.7	0.5 / 5.7
Heang element	kw	1.5	™ 1.5
45° Tape groove motor	kw	0.73	n/a
Electric motor	kw	0.37 (415V, 3Ø)	0.37 (415V, 3Ø)
Power supply	voltage / Ø	415V, 3Ø	415V, 3Ø
Machine dimension (L x B x H)	mm	2150 x 1000 x 1025	1850 x 1000 x 1025
Approx. net weight	kg	330	280
		NI THE	

for more Information, scroll on

**SOOD SOOR R** 

All Precision Machines Under One Roof

# **Wood Working Machines** PANEL SAWS

MODEL: J.3200.in Pro



Smooth-running and powerful saw unit. Runs incredibly smooth, because it is electronically balanced as a fully assembled unit, made of cast components





scoring saw blades.



Ripfence with fine manual adjustment.

MODEL: J.3200.in Classic

- Heavy Duty Precision sliding table with bearing developed with advanced technology with multi chamber system for max. rigidity of the double roller carriage.
- Sturdily built heavy duty m/c. Precise burr free cutting.
- Rip fence with fine setting for precise positioning.
- Made in India with best service support & very economical spares.



....



Scoring saw precision lever mechanism

Smooth-running and powerful saw unit.

	Model No.		J-3200.in Pro	J-3200.in Pro+	J-3200.in Classic	
12	Sliding table length	mm	3200	3200	3200	-
	Sliding table width	mm	360	385	360	
	Max. diameter / bore - saw blade	mm	355 x 30	355 x 30	300 x 30	
	Max. diameter / bore - scoring blade	mm	120 x 20	120 x 20	120 x 20	
	Saw blade speed	rpm	4000 / 5000	4000 / 5000	4000 / 5000	
	Scoring blade speed	rpm	8500	8500	8500	
	Tilting of saw unit - manual	degree	90° - 45° (manual)	90° - 45° (manual)	90° - 45° (manual)	
			with electronic	with electronic	with analog	
			digital read out	digital read out	read out	
	Motor for saw blade / scoring blade	hp	5/1	7.5 / 1	5/1	
	Approx. net weight	kg	850	900	800	

for more Information, scroll on

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Wood Working Machines Spindle Moulder



Auto Feeder : (Optional)



Auto Feeder AF-38 Heavy Duty (Optional)

Model No.		J-3400.in
Sliding table length	mm	1300
Sliding table width	mm	360
Spindle diameter	mm	30
Spindle speed	rpm	6000 / 8000
Electric motor - 3 phase	e hp	5

**XOOD VORKZO** 

WOOD SAW

**Wood Working Machines** 

## **MODEL : J-540**

**BHXXX** 



## **Standard Accessories :-**

Saw blade, Upper & lower saw blade guide set Mitre gauge, Motor pulley, Motor fixing plate Toolkit & m/c manual Circular cutting attachment as standard accessories with all max models.



Blade grinding att.

MODEL : J-540 E

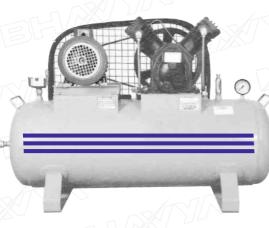
BANDSAW	Max		Master		
Model no	J-530 mm/inch	J-540 mm/inch	J-530(E) mm/inch	J-540(E) mm/inch	J-550(E) mm/inch
Diameter of saw wheels	305/12"	455/18"	305/12"	455/18"	610/24"
Throat depth	280/11"	430/17"	280/11"	430/17"	585/23"
Max.cutting capacity	150/6"	254/10"	150/6"	254/10"	355/14"
Work table size	380x380/15"x15"	535x585/21"x23"	355x380/14"x15"	508x560/20"x22"	710x760/28"x30"
Table tilt degree	45	45	45	45	45
Width of saw wheels	38/1 1/2"	50/2"	38/1 1/2"	50/2"	50/2"
Speed of saw wheels (rpm)	500/750	500/750	500/750	500/750	500/750
Power required hp/rpm	1.5/1440	2/1440	1.5/1440	2/ 1440	5/ 1440

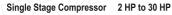
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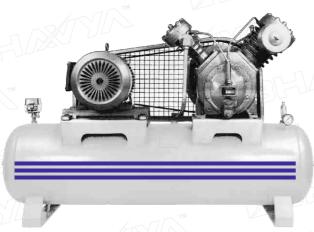
Specifications are subject to changed without prior notice.



# Air Compressor







Two Stage High Pressure Air Compressor 3 HP to 20 HP



## SINGLE STAGE COMPRESSOR

	Model	Piston Di	splacement	Max. Pr	essure	No. of	Air Reciver	HP
		cfm	M³/H	Kg/CM <sup>2</sup> G	PSIG	Cylinder	Ltrs	
/4	BE-5	2.98	5.05	7	100	1	45	0.5
	BE-10/1	3.73	6.32	7	100	1	70	TM1
	BE-15/1	6.78	11.49	8.79	125	1	92	2
	BE-30 S	14.85	25.16	5.62	80	2	150	3
	BE-75 S-1	23.90	40.50	5.62	80	2	225	5
	BE-75 S-2	34.60	58.60	5.62	80	2	225	7.5
4	BE-100S	52.80	89.50	5.62	80	2	225	10
	BE-125S	88.00	149.10	2.81	40	2	300	12.5
	BE-200S	148.50	251.70	2.81	40	3	500	20

## TWO STAGE COMPRESSOR

N	Model	Piston D	lisplacement	Max. Pre	essure	No. of	Air Reciver	HP	
		cfm	M³/H	Kg/CM <sup>2</sup> G	PSIG	Cylinder	Ltrs		
	BE-30 T-1	7.46	12.64	10.5	150	2	150	2	
	BE 30 T-2	9.79	16.59	12.3	175	2	150	3	
	BE 50 T	17.32	29.35	12.3	175	2	200	5	
	BE 75 T	26.40	44.74	12.3	175	2	225	7.5	
	BE 100 T	31.84	53.97	12.3	175	2	300	10	
	BE 150 T-1	36.30	61.52	10.5	150	2	300	10	
7	BE 150 T-2	44.00	74.57	12.3	175	2	300	12.5	
	BE 150 T-3	49.50	83.90	12.3	175	2	300	15	
тм	BE 200 T	81.80	138.64	12.3	175	3	500	20	
	BE 300 T	98.19	166.42	10.5	150	3	500	25	

## MULTI STAGE COMPRESSOR

Model	Piston Di	isplacement	Max. Pre	essure	No. of	HP	Air Reciver
	cfm	M³/H	Kg/CM <sup>2</sup> G	PSIG	Cylinder		Ltrs
BE-30 MS	<b>7</b> .40	<b>12</b> .54	35.16	500	2	3)	Base Plate/
BE-125 MS	36.0	61.00	35.16	500	2	12.5 }	Air Receiver
PE-200MS	49.5	83.90	70.32	1000	3	20)	Mounted

Applications: Plastic Industries - PET Bottles manufacturing units Power Sector - Circuit breaking / making in electricity board & start up application for D.G. Sets.

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# Mig / Mag / Co2 Welding Machine

GENERAL: The above Equipment Consists of: (1) Constant Potential Power Source (3) Pressure Regulator with Flow Meter and Guage (5) Gas Preheater (7) Welding Cable

(2) Wire Feeder(4) Gas Cooled Torch(6) Gas Hose with Connectors(8) Contol Plug

## **DESIGN**:

Having Latest Technology Circuit Modular Compact, suitable for Critical Welding Applications, Sturdy Construction for any type of Job using Copper coated wire for smooth and Spatter Free Welding Continuously/Intermittently.

## PROCESS:

It is universally known as Metal Inner Gas (MIG) / Metal Active Gas (MAG), Welding Process using Argon Gas or Co2 Gas for shielding the weld pool to avoid oxide formation during welding. In this Wires of O. 8, 1.2 or 1.6 mm is continuously/ intermittently fed through wire feeder Mechanism Torch to weld different types of jobs with the help of D. C. Power source. It is a sort of Semi-Automatic Welding Process.

## APPLICATIONS

MIG / MAG / CO2 Welding Machines are widely used in small as well as large Industries doing Fabrication Work, right from General Repair Work. Small fabrication to Heavy Machine Building, Body Building, Vessel Building and Heavy Structural Work, using Copper Coated Wires.

		TM
MODEL	MAG 250	MAG 400
POWER SOURCE MAXIMUM		
WELDING CURRENT	250 Amp*.	400 Amps.
@ 60% Duty cycle ( Amps. )	250	400
@ 100% Duty cycle ( Amps. )	190	320
Rating		
@ 60% Duty cycle -( KVA)	10.5	22.5
@ 100% Duty cycle ( KVA )	7.5	18.5
Open circuit voltage range (V-Dc)	18-40	20-56
INPUT		
Voltage (Volts)	415V+-10%	415V+/-10%
Phase (Nos.)	3	3
Frequency (Hz)	50	50
Recommended switch fuse rating (Type/Amps.	) TP/25 Amps.	TP/35 Amps.
OUTPUT		
Static Characteristics Type	Constant Potential	Constant Potential
Transformer Coils Winding	Copper	Copper
Insulation Class	F) [B)	F
Cooling Air	Forced Air	Forced Air

WIRE FEEDER				
			CER	ED
	VVID	КΕГ	EEL	EK .

MODEL	WF-250	WF-400
Speed Control	Thyristorised	Thyristorised
Wire Diameter		
Mild Steel	0.8-1.2	ZO.8-1.2-1.6
Stainless Steel	0.8	1.2-1.6
Aluminium mm	0.8	1.2-1.6
Wire Drive Motor Type	PMDC 36V/80 Watt	PMDC 36V/80 Watt
Drive System Type	2 Roll quick release	2 Roll quick release
Wire Feed Speed Mtr./min	1.5 to 20	1.5 to 20

MODEL	TBI-250	TBI-400
Maximum Current Capacity		
@ 60% Duty Cycle		
For Co2 Amps.	250	400
For MIG Amps.	200	320
Cable Length Mtrs.	3m	3m
Suitable for wire size		
Hard Wires (Steel) mm	0.8-1.2	0.8-1.2-1.6
Soft Wires (Aluminium) mm	1.2	1.6
Cooling Type	Gas	Gas

for more Information, scroll on

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Specifications are subject to changed without prior notice.

# **Welding Machines**

## **DC** Rectifiers

Stepless transducting controlled ARC Welding Rectifier. Especially for critical welding using low hydrogen and stainless steel electrodes. The unique smooth ARC with the feedback and filter transducter choke to minimise the ripples and give quality welds and clear X-Rays.

**BHAYY** 

Varitrans is provided for setting the current throughout the entire range, settings can also be changed during welding.

No Fuss striking due to start surge current.

Perfect open circuit voltage gives good strike properties. Large reserve voltage permitting longer welding cables.

DCR 300	DCR 400	DCR 500	DCR 600
3X380 - 440	3X380 - 440	3X380 - 440	3X380 - 440
50 HZ	50 HZ	50 HZ	50 HZ
10mm2	10mm2	16mm2	16mm2
16 mm2	25mm2	38mm2	45mm2
22	30	38	45
41	57	-	-
32	40	53	64
60	80	-	-
30-300	40-400	50-500	60-600
300	400	500	600
230	310	385	460
70-80	70-80	70-80	70-80
Forced	Forced	Forced	Forced
В	В	В	В
	3X380 - 440 50 HZ 10mm2 16 mm2 22 41 32 60 30-300 300 230 70-80 Forced	3X380 - 440       3X380 - 440         50 HZ       50 HZ         10mm2       10mm2         16 mm2       25mm2         22       30         41       57         32       40         60       80         30-300       40-400         300       400         230       310         70-80       70-80         Forced       Forced	3X380 - 440       3X380 - 440       3X380 - 440         50 HZ       50 HZ       50 HZ         10mm2       10mm2       16mm2         16 mm2       25mm2       38mm2         22       30       38         41       57       -         32       40       53         60       80       -         30-300       40-400       50-500         300       310       385         70-80       70-80       70-80         Forced       Forced       Forced

## **ARC Welding Machine (Regulator type)**

	7-5-7	(		
MODEL	CW-300	CW-400	CW-500	CW-600
Welding Current Range	35-300A	60-400A	80-500A	100-600A
Welding Voltage Range	24-32 V	25-38 V	25-40 V	26-42 V
Continous Hand Welding				
Current @ 55% duty cycle.	240A	300A	400A	450A
Max Intermittent Current				
@35%dutycycle	300A	400A	500A	600A
Continious Voiding Current				
@ 100% duty cydes	170A	210A	260A	340A
Open Circuit Voltage	65V	75V	75V	75V
Electrode sizes ContJnious	6-16G	4-14G	2-14G	0-12G
Electrode sizes (intermittent)	4G	2G	0G	0G
K.VA (Rated)	15 KVA	21 KVA	25 KVA	36 KVA
Fuse Rating Max at 400 V	45A	70A	80A	100A
Power Factor Correction				
Capacitor	7	8	10	12
Input Supply :			2 Lines of 3 Phase4	15V 50 Hz. AC

## **ARC Welding Machine (Stud type)**

Model	AW-150/I	AW-150/II	AW-200	AW-250	AW-300	AW-400
KVA	4	6	8	10	15	21
Normal Current Amp.	150	150	200	250	300	400
Primary Voltage Volts.	230	220/440	220/440	220/440	220/440	220/440
Phase	1	1-2	1-2	1-2	1-2	1-2
Frequency Hertz	50	50	50	50	50	50
Open Circuit Voltage	50	50	55	55	60	60
Conti. 100% Duty Per Cycle.	70	90	120	120	180	240
Current 50% Duty Amp. Per Cycle.	90	150	200	250	300	400
Electrode.	2	2	2	2	2	2.5
Size	3.15	3.15	4	5	5	5
Max. Approx.	325	400	455	455	500	500
Dimension	410	600	700	700	830	830
Approx. Weight	260	370	390	390	440	440
Aluminium Wounds.	27.5	43	53	69	82	95

Regulator Type Welding



## Stud Type Welding



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# Bandsaw Butt Welding Machine

## EASY OPERATION :

Sturdy in construction, Butt Welder is so designed as to facilitate reliable and easy operation even by unskilled personnel. It is most suitable for industrial conditions and will give a long lasting dependable service. All the parts have been duly dimensioned; clearly arranged simple levers ensure easy operation even for unskilled workers.

Clamping arrangements are by quick action clamps and the alignment is automatic and perfect which is so essential in modern production methods.

PRECISION WELDING: Minute precision control is ensured by the use of latest control devices. The movable jaws run on precision ball type guides which reduce friction to almost nothing and ensure utmost welding accuracy.

-	Model	BBW 325	BBW 535	BBW 631
	Job	Carbon Steel Blades	Carbon Steel Blades	Bi-Metal Blades
	Welding Range	3 - 25 mm	6 - 37 mm	12-31 mm
		1/8" to 1"	1⁄4" to 11⁄2"	1/2" to 11/4"
4	Capacity	3KVA (Nominal)	5KVA (Nominal)	12KVA
	Input Voltage	230V 50 Cycles	230V 50 Cycles	2.0 400V 50 Cycles
	Duty Cycle	5%	5%	5%

# Wire Butt Welding Machine

## A NEW SERIES:

A new series of efficient machines for butt welding of all profile wires of Iron, Steel. Alloy and Carbon Steel, Copper, Aluminium, Brass and other light metals and their alloys. These machines are designed as portable models mounted on a moveable stand with foot operation. They are constructed with particular regard for quick and easy operation; the settings for electrode spacing and upsetting pressure are calibrated directly for the different wire size to be welded.

The welding process being automatic permits even unskilled workman to operate the machine faultlessly, and ensures uniform welds of high tensile strength, capable of withstanding subsequent drawing. Depending upon the material to be welded and the size of wire 4 different models are available one model for iron and mild steel wires, one model for alloyed steel and carbon steel wires, and two models for copper, brass, aluminium and light alloy wires. All machines are equipped with annealing facility.

TYPE OF MACHINE		WBW-28	WBW-28C	WBW-14	WBW-256
MATERIALS TO BE WELDED		Iron and Steel	Alloyed Steel	Copper. Brass	Copper. Brass
			& Carbon Steel	Aluminium	Aluminium
WELDING RANGE - WIRE DIA. (APPROX)					
(a) Sleel with less then 0.5%C	unalloyed (mm)	2-8	2-8	1-5	3*8
(b) Steel with 0.5 - 1%C	alloyed (mm)	367100	2-8		- /K
(c) Copper	(mm) values	2-3	_	1-4	2.5-6
(d) Aluminium light metal	(mm) alloyed	3-5		1.5-6	4-7
Electrical Data					
(a) Input Volts		400	400	400	400
(b) Frequency		50	50	50	50
(c) Phase		1	1	1	1
(d) Max. Rating- KVA		5	5	12	20
(e) Duty cycle at Max. Rating		0.56%	0.73%	0.56%	0.56%
(f) Fuse Rating (Amps.)		10	10	15	15

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APPLICATIONS - Spot Welding, electro-brazing, cross wire welding resistance heating and soldering. The machines are also capable of welding stainless steel, brass, phosphor, bronze, alloy steels, etc. Specific details can be sought on request.

MODELS		SP6	SP8	SP10	SP15	SP20	SP25	SP30
Rating @ 50% Duty	/ Cycle (KVA)	6	8	10	15	20	25	30
Throat Depth (mm)		350	400	460	460	460	460	460
Nominal Throat Clea	arance (mm)	220	220	220	220	220	220	220
Welding Range								
M. S. Sheet Max. 2	2 x mm	1.6	1.8	2.0	3.0	3.25	3.5	4
Thickness Min.	2 x mm	0.16	0.2	0.2	0.3	0.5	0.6	0.8
Brass Sheet Max.	2 x mm	0.6	0.7	$1// \wedge$	1.5	1.6	1.6	1.8
Thickness Min.	2 x mm	0.1	0.1	0.1	0.2	02	0.3	0.4
S. S. Sheet Max.	2 x mm	1.6	1.8	2	2.8	3	3.5	4.0
Thickness Min.	2 x mm	0.2	0.18	0.2	03	03	0.6	0.8
Min. available short	Circuit	5	7	8	8	11	11	12
Currents (K.A)								
Current Control								
Insulation Class		F	F	F	F	F	F	F
Cooling for Arms & E	Electrodes	Water	Water	Water	Water	Water	Water	Water
Nominal Electrode F	Force (Approx kgf)	75	100-75	100-75	100	110	110	125
Electrode Stroke Ma	ax. (mm)	40	40	40	40	40	40	40
Mains Supply Voltag	je (V)	415	415	415	415	415	415	415
Phase (Nos.)		2	2	2	2	2	2	2
Mains Supply Cable	Size (Copper mm2)	8	10	12	15	20	20	25
Mains Disconnection	n Switch (A)	15	20	25	30	45	50	70
Delayed Action Fuse	e (A)	15	20	25	30	45	50	70
Water at Max. Temp	, of 30°C (litmin)	2	3	3	3	3.5	3.5	3.5
				~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		111 -		

Hand Operated Portable Spot Welding Machine also available

## Welding Accessories

**BHAYY** 



Two Stage Double Meter Regulator



Single Stage Single Regulator



Gus Cutting Tourch





# **Machine Tools Accessories**





# **Machine Tools Accessories**

**For Milling Machine** 

BHAYA

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# **General Accessories**





# **General Accessories**



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VALUAB ATRONS



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	Ashoka Buildcon Ltd.	Badve Group		GEMINI Sampling Solutions	(wavin)	Gilard explore more»
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E	KUTCH CHEMICAL	HINDUSTAN ZINC	ShubhShree Eglineering and Constructions Pot.Ltd.	M SIGNODE	RALLIS INDIA LIMITED A TATA Enterprise	🙏 anval
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# CORPORATE OFFICE







# OUR PRESENCE



# **BHAVYA** MACHINE TOOLS

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