## DESIGNED BY : WEBFLOW INDIA ----

### IIIIBHARATIIII



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MANUFACTURER OFFERING A WIDE SPECTRUM OF HIGHLY EFFICIENT VERTICAL BORING MACHINE, LINE BORING MACHINE, HEAD SURFACE GRINDER, HONING MACHINE, CENTERLESS GRINDING MACHINE, AND MORE.

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### ABOUT US

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### **COMPANY PROFILE**

### PRECISION, PERFECTION & DURABILITY

Established in the year 1972, Bharat Auto Machine Tools is a pioneer in the field of manufacturing a wide range of world class vertical boring machine, line boring machine, honing machine. Since its inception the company has grown manifold and has successfully acquired a remarkable position in the global market. The company moved from strength to strength and has emerged as a reputed manufacturer, exporter and supplier in its domain.

We have built up a huge clientele that is a mix of both Indian and foreign clients. Our machines are currently exported to a number of markets in different parts of the world such as Middle Asia, Arab Countries and African Countrie

### **OUR TEAM**

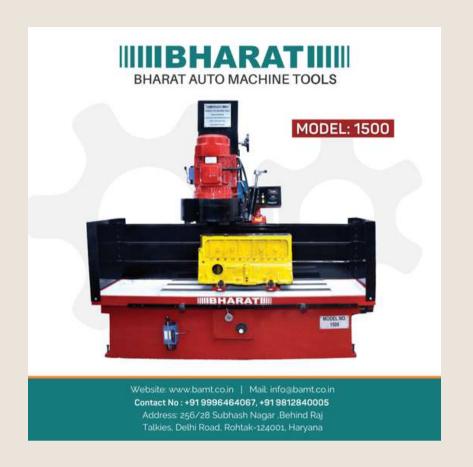
For providing quality products to our customers we are backed with fully dedicated team of professionals. They have wide knowledge and experience in their every field. Our professionals strive hard to meet the requirements of our customers.

### **OUR INFRASTRUCTURE**

We are equipped with state-of-the-art infrastructure facility that is well- equipped with latest machines and advance equipment to meet the demands of our clients on time. Our infrastructure spread over a large area of land in india.

### **QUALITY POLICY**

we are engaged in providing best quality products to our customers. The products offered by us are highly tested in every stage of production for their quality assurance under the supervision of quality controller. We do stringent quality check.





### WHY CHOOSE US

### LEADING WITH INTEGRITY

### **VOLUMINOUS STOCK**

We maintain a voluminous stock to meet immediate bulk requirements of the market

### **ON TIME DELIVERY**

We strictly follow timely delivery schedules and strive hard to deliver products within the stipulated time period.

### **COMPETITVE PRICING**

We offer products at competitive prices and this gives us a cutting edge over our competitors.

### PACKAGING / PAYMENT AND SHIPMENT DETAILS

**Payment Mode** Cheque

> Online **COMPANY USP**

Wire Transfer

**RTGS Large Product Line** Large Production Capacity

> Good Financial Position & TQM Experienced R & D Department

Large Product Line

**Shipment Mode** By Road

By Cargo

By Sea **Quality Measures / Testing Facilities** YES

**Customized Packaging/td>** YES



### VERTICAL BORING MACHINE

### MODEL 300

### **TECHNICAL SPECIFICATION MODEL-300:-**

**Boring Capacity** Standard Ø 38-Ø078mm(1.5"-3")

Max. boring Head Travel300 mm(11.()Spindle Speed (Infinitly Variable)50-550 RPM

Spindle Feed 0.05mm/ Revoltution

Max. Distance from Spindle center to column 250mm(9.9")

**Working Table Size( LxW )** 600X300 mm (23.6" X 11.9")

Table Traverse - Longitudinal250mm (9.9")Table Traverse- cross wise30mm(1.2")Motor Spindle Speed0.75KW/1 HPMotor Rapid Speed0.19 KW/0.25 HPHeight of Machine1750mm (69")Lengtd of Machine1150mm(45.3")Widtd of Machine1000mm(39.4")

Net weight (Aproxx )850 KGGross weight (Aproxx )1200KGShipping Volume3 M³

### STANDARD ACCESORIES MODEL-300:-

Setting Up Parallel	01 Pair
Tool Setting Micrometer with Magenetic Base	01 No
M12 T nut & Bolt with washer	04 No
M 16 T Bolt, washer with nut	04 No
Single Cylinder Block Clamping Device	01 No.
Allenkey Set ( 9 No )	01 Set
Boring Spindle Dia 38	01 No
Centering Device For Dia 38 Spindle	01 No.
Boring Spindle Dia 16 x 32	01 No
Boring Spindle Dia 16 x 45	01 No
Chamfering Tool	01 No
Facing Tool	01 No
Leveling Bold(Fitted In Machine )	-
Double end Spanner 21/23	01 No
T-Hand Allenkey 4mm	01 No
T-Hand Allenkey 5mm	01 No



### VERTICAL BORING MACHINE

### MODEL 400

### **TECHNICAL SPECIFICATION MODEL-400:-**

**Boring Capacity** Standard Ø 38-Ø120mm(1.5"-4.7") 325 mm(11.() Max. boring Head Travel Spindle Speed (Infinitly Variable) 50-550 RPM Spindle Feed 0.05mm/Revoltution Max. Distance from Spindle center to column 275mm(10.6") Working Table Size(LxW) 625X300 mm (24.6" X 11.9") **Table Traverse - Longitudinal** 275mm (10.6") Table Traverse- cross wise 30mm(1.2") **Motor Spindle Speed** 0.75KW/1 HP

 Table Traverse- cross wise
 30mm(1.2")

 Motor Spindle Speed
 0.75KW/1 HP

 Motor Rapid Speed
 0.19 KW/0.25 HP

 Height of Machine
 1750mm (69")

 Length of Machine
 1150mm(45.3")

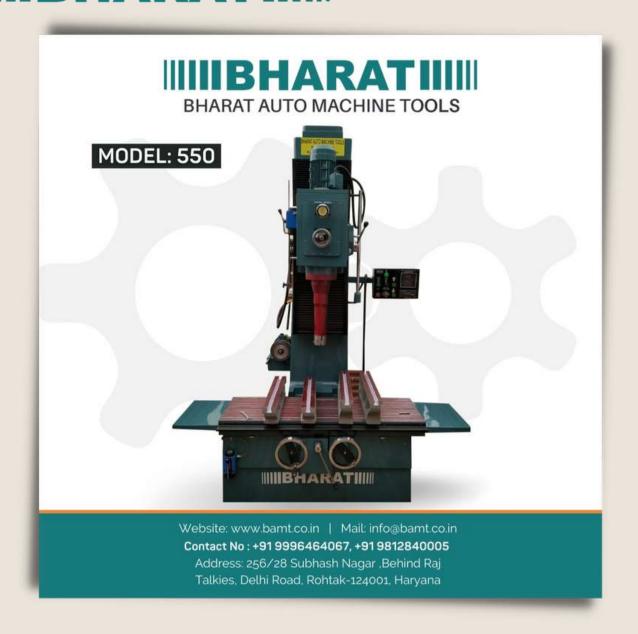
 Width of Machine
 1000mm(39.4")

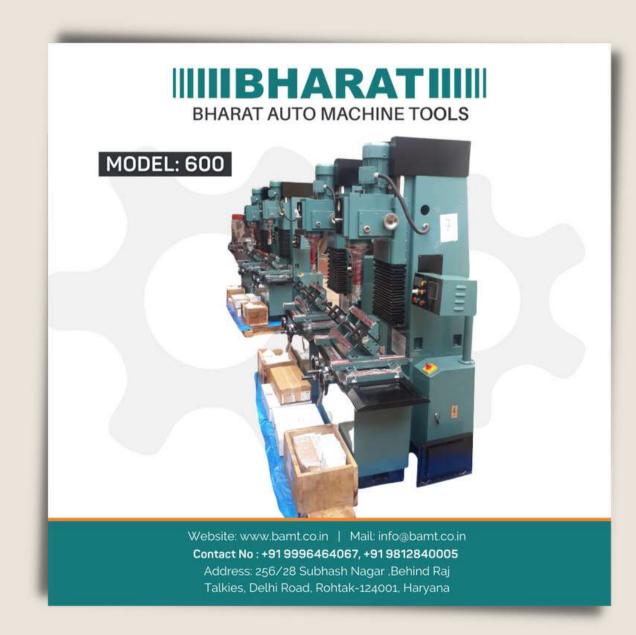
 Net weight(Aproxx)
 850 KG

Net weight (Aproxx )850 KGGross weight (Aproxx )1200KGShipping Volume3 M³

### STANDARD ACCESORIES MODEL-400:-

Setting Up Parallel	01 Pair
<b>Tool Setting Micrometer with Magenetic Base</b>	01 No
M12 T nut & Bolt with washer	04 No
M 16 T Bolt, washer with nut	04 No
Block Tighting clamp	04 No
Allenkey Set ( 9 No )	01 Set
Boring Spindle Dia 46	01 No
Boring Spindle Dia 60	01 No
Centering Device for dia 46 Spindle	01 No
Boring Tool Dia 16 X 32	01 No
Boring Tool Dia 16 X 45	01 No
Chamfering Tool	01 No
Facing Tool	01 No
Leveling Bold(Fitted In Machine)	-
Double end Spanner 21/23	01 No
T-Hand Allenkey 4mm	01 No
T-Hand Allenkey 5mm	01 No







### HORIZONTAL LINE-BORING MACHINE [MODEL -LINEBORE 1545]

### **TECHNICAL SPECIFICATION:-**

Maximum length Of Block 1545 mm

Distance From Built-in Paralells To Boring Bar

-Maximum 815 mm
-Minimum 515 mm

**Boring Capacity** 

-With Standard Boring Bars
-With Extra Boring Bars Of 22 mm and 60 mm dia 26-225 mm

Spindle Speed (rpm) Infinitely variable from 50-750 rpm in two steps.

**Feed: Both Directions Roughing**(Automatic and manual) Finishing
0.15 mm
0.04 mm

Maximum Travel Of Boring Bar 325 mm

Addtional Travel With Extension Bar (extra equipment) 260-325 mm

Drive Motor (440V, 500) Three Phase

(Other standard voltage available on request) 1.5 HP

**Length Of Machine** 3550 mm

Width Of Machine 760 mm

Width Of Bed 570 mm

Maximum Height Of Machine 2200 mm

Work Speed Required 5050 x 1760 mm

Net Weight 1700 kg (approx.)

Gross Weight 2200 kg (approx.)

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### **STANDARD EQUIPMENTS:-**

Permanent Parallels	1 set
Parallels 130 mm High	1 set
Parallels 160 mm High	1 set
Parallels 200 mm High	1 set
Bearings for Boring Bars (4 pieces)	1 set
Topered Centering Cones (4 Pieces )	1 set
Boring Barr 1 1/4" x 5.5"	1 no.
Boring Barr 2" x 6.5"	1 no.
Extra Support For Boring Bars	1 set
Boring Bar Rest	1 no.
Tool-setting Micrometer with dial indicator and magnatic Base or Two Micrometers 1 1/4" to 3 1/4", 1 1/2" to 2", 2.6" to 5.3"	
Tool-Setting Device For Cutter Heads (micrometer mentioned above may be used with it)	1 no.
Boring Facing and Chamfering Tools	12 nos.



# CONNECTING ROD BORING MACHINE [MODEL - 480]

### **PRODUCT DESCRIPTION:-**

CRB 480 is high precision connection rod boring machine suitable for the boring of new connecting rods and for reconditioning of wornout connecting rods.

**Bed:** Fine grained graded alloy casting stress relieved after rough machining ensures rugged and vibration free base.

**Spindle:** Accurately ground spindles of various sizes ensures fast change over tools to achieve varying boring range and accuracy.

**Fine Auto Feed:** Fine finish in boring is achieved by adjusting fine auto feed by variable speed D.C moter.

Leveling Bolts: Leveling Bolts are provided to steady the machine, accurately to achieve better accuracy in boring.

### **TECHNICAL SPECIFICATION:-**

Minimum and Maximum Bore Center Distance Of The Connecting Rod Boring Spindle Speeds

Boring Range

**Feed Botth Direction** 

**Bottom Part Traverse Crosswise** 

**Table Movement Logitudinal** 

**Motor Spindle Speed (Dual Speed)** 

Motor Spindle Feed

**Length Of The Machine** 

Width Of the Machine

**Height Of Machine** 

Net Weight (approx.)
Gross Weight (approx)

Shipping Volume

80mm-490mm

240,320,470,500,630,1000 RPM

15mm to 140mm

Infinitely Variable

50mm

300mm

HP/KW/.95/1.7-0.7/1.25 or 2 HP Motor

0.25 HP D.C

1450 mm

850 mm

1850 mm

750 KG

950 KG.

3 M3

### **STANDARD ACCESORIES:-**

Boring Spindle Dia 25FittedBoring Spindle Dia 401 NoBoring Spindle Dia 881 NoBoring Tools4 NoT.S.M Frame 11 NoT.S.M Frame 21 No	d ir
Boring Spindle Dia 881 NoBoring Tools4 NoT.S.M Frame 11 No	
Boring Tools 4 No T.S.M Frame 1 1 No	
<b>T.S.M Frame 1</b> 1 No	
<b>T.S.M Frame 2</b> 1 No.	
<b>Centering Device With Dia 1 Guage</b> 1 No.	
<b>Eccentrical Plug (Gun Metal)</b> 2 No	
Micrometer with Dial Indicator (inch or mm) 1 No.	
<b>Con Rod Fixing 'V' Block With Pin</b> 1 No	
Taper Pin 10 N	0
Nylone Cup 3 No	
<b>Tool Adjusting Bracket With Knob</b> 1 No	
<b>Connecting Rod clamping collar Dia 25</b> 1 No	
<b>Connecting Rod clamping collar Dia 32</b> 1 No	
<b>Connecting Rod clamping collar Dia 40</b> 1 No	
<b>Connecting Rod clamping collar Dia 48</b> 1 No	
Connecting Rod clamping collar Dia 75 1 No	
Connecting Rod clamping collar Dia 100 1 No	)
Centering Cone 1 1 No	)
Centering Cone 2 1 No	)
Centering Cone 3 1 No	)
AllenKey Set (In mm) 1 Se	ŧt
AllenKey Set (In inches) 1 Se	et
T AllenKey 3 mm 1 N	0
T AllenKey 4 mm 1 N	0
T AllenKey 5 mm 1 N	0
T AllenKey 7/32 mm 1 N	0
Oil Gun 1 N	0



# HEAVY DUTY DOUBLE SLIDE TWIN HEAD CONNECTING ROD BORING MACHINE

### **PRODUCT DESCRIPTION:-**

Twin head connecting rod boring machine is suitable for reboring of connecting rods of all types of diesel and petrol engines. Heavy duty twin head connecting rod boring machine is also suitable for reboring of forged connecting rod as well as filled with white metal.

**Casting & Other Steel Plants:** All the casting of the machine is seasoned to achieve persistent accuracy, Carbon steel is used for spindles and other parts of the machine and alloy steel is used for gears.

**Bed:** is of latest design with strong ribbing provided. The guide ways are carefully hand scrapped to highest accuracy and checked with precision instruments.

Heads: Both head are fitted with tapper roller bearings with hardened & ground spindles. Self lubrication provided.

Setting: Only few minutes required to centre and set tools, bore & face the rod complete.

Chuck: Two jaw chucks & wrist pin fixure centres rod accurately and hold it securely for boring automatic perfect job.

**Feed:** Both end main slide feed provided with automatic control with one lever and hand operated also.

**Double Slide:** Slides are strongly ribbed to achieve great rigidity to have the best and long lasting service. To attain horizontal adjustment up to .001" for the centre of the connecting rod bore, the machine is provided with double slide for horizontal setting & the jaw bracket for vertical setting.

The jaw and clamp brackets are provided with male vs which are fine scrapped and rest in the female vs of the slide & both the brackets move easily on the slide for the horizontal adjustments of the rod according to the spindles without disturbing the alignment.

Extension boring manderis are supplied with the machine three manderis to each spindle size of the manderis are 12mm to 30mm.

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### **TECHNICAL SPECIFICATION:-**

**Capacity** 20 mm (3/4") to (4") 100mm

Bed Width (9") 225 mm

Bed Length (36") 900 mm

All Over Height (30") 1350 mm

All Over Width (30") 750 mm

All Over Length (48") 1200 mm

Power Required 1/2 HP 200/220 Single Phase

Weight (Approx.) 450 Kg

### **STANDARD ACCESORIES:-**

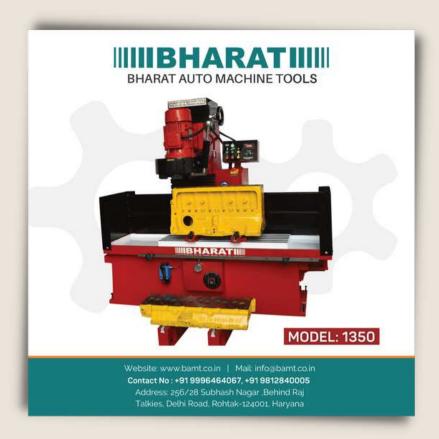
Micrometer with frame Indian make

**Tool Bits** 2 Nos.

Allen Key Set 1 pc.

**Pin Set** 5 No. Small & Big Size

**Spanner** 1 No.



# VERTICAL HYDRAULIC SURFACE GRINDING MACHINE [MODEL - 1350]

### **TECHNICAL SPECIFICATION MODEL-1350:-**

Max. Automatic Table Traverse

**Head Vertical Traverse** 

Segment wheel Dia

Max. Milling Width

**Max Grinding Width** 

**Max Grinding Length** 

Min/Max Distance Between Table & Segment Wheel

Distance From column To Table Center

**Grinding Spindle Rotation Speed** 

Milling Speed Variable

Min/Max. Table Feed Speed (Steplessy Variable)

**Spindle Motor** 

**Head Rapid Feed Motor** 

**Hydraulic System Motor** 

**Coolant Pump Motor** 

**Length Of Machine** 

Width Of Machine

**Height Of Machine** 

**Work Space Required** 

(LXB)

**Work Height Required** 

**Net Weight** 

**Gross Weight** 

**Shipping Volume** 

**Packing Case Outer Size** 

(LXWXH)

1350mm (53.1")

550 mm (21.7")

350 mm(14")

300 mm (11.8")

350 mm (14")

1000 mm (41")

0-550 mm (0-21.6")

350 mm (14")

1400 rpm

80-700 rpm

0-4500 mm/min

3.75-0.75Kw/5-1 HP

0.19 Kw/0.5 HP

0.75 Kw / 1 HP

0.09 Kw/0.12 HP

1880 mm (74")

1120 mm (44")

1730 mm (68")

3100 X 1500 mm

(110" X 59")

2050 mm (81")

1500 KG (Aprox)

2420 KG (Aprox)

8 M 3

3650 X 1400 X 2205 mm

(104" X 55" X 87")



### **STANDARD ACCESSORIES MODEL-1350:-**

Setting Up Parallel 160 Height	1 Pair
Setting Up Parallel 50 Height	1 Pair
Segment Wheel Dia 350 mm	1 No.
Segment Stones (Fitted In Machine)	8 Nos
T-bolt With Nut and Washer	8 Nos
Grinding Wheel Dresser (Fitted In Machine)	1 Set
Coolant Pump (Fitted In Machine)	1 No.
Double End Spanner (24-24)	1 No.
Milling Tool Dia 12.7 mm	1 No.
Handle Type Allen Key 4 mm	1 No.
Handle Type Allen Key 5 mm	1 No.
Handle Type Allen Key 7/32 mm	1 No.
Block Tightening Clamp	4 Nos
Head Tightening Clamp	4 Nos
Head Clamping Stud With Washer Nut	2 Nos
Tool Tightening Block	2 Nos

### **OPTIONAL ACCESSORIES MODEL-1350:-**

Fly Wheel Grinding Device

V Type block Clamping Adjustable



### VERTICAL HYDRAULIC **SURFACE GRINDING MACHINE** [ MODEL - 1500 ]

### **TECHNICAL SPECIFICATION MODEL-1500:-**

Max. Automatic Table Traverse

**Head Vertical Traverse** 

Segment wheel Dia

Max. Milling Width

**Max Grinding Width** 

**Max Grinding Length** 

Min/Max Distance Between Table & Segment Wheel

Distance From column To Table Center

**Grinding Spindle Rotation Speed** 

Milling Speed Variable

Min/Max. Table Feed Speed (Step lessy Variable)

**Spindle Motor** 

**Head Rapid Feed Motor** 

**Hydraulic System Motor** 

**Coolant Pump Motor** 

**Length Of Machine** 

Width Of Machine

**Height Of Machine** 

**Work Space Required** 

(LXB)

**Work Height Required** 

**Net Weight** 

**Gross Weight** 

**Shipping Volume** 

**Packing Case Outer Size** 

(LXWXH)

1500mm (59")

720 mm (28.3")

450 mm(17.7")

380 mm (14")

450 mm (15.7")

1300 mm (51")

0-720 mm (0-28.4")

380 mm (15")

1400 rpm

80-700 rpm

0-4500 mm/min

5.5 Kw/7 SHP

0.19 Kw/0.5 HP

0.75 Kw / 1 HP

0.09 Kw/0.12 HP

2286 mm(90")

1220 mm (48")

1981 mm (78")

3800 X 1500 mm

(122" X 59")

2150 mm (85")

1950 KG (Aprox)

2500 KG (Aprox)

9 M 3

2900 X 1400 X 2360 mm

(114" X 55" X 93")



### **STANDARD ACCESSORIES MODEL-1500:-**

Setting Up Parallel 160 Height	1 Pair
Setting Up Parallel 50 Height	1 Pair
Segment Wheel Dia 450 mm	1 No.
Segment Stones (Fitted In Machine)	8 Nos
T-bolt With Nut and Washer	8 Nos
Grinding Wheel Dresser (Fitted In Machine)	1 Set
Coolant Pump (Fitted In Machine)	1 No.
Double End Spanner (24-24)	1 No.
Milling Tool Dia 12.7 mm	1 No.
Handle Type Allen Key 4 mm	1 No.
Handle Type Allen Key 5 mm	1 No.
Handle Type Allen Key 7/32 mm	1 No.
Block Tightening Clamp	4 Nos
Head Tightening Clamp	4 Nos
Head Clamping Stud With Washer Nut	2 Nos
Tool Tightening Block	2 Nos

### **OPTIONAL ACCESSORIES MODEL-1500:-**

Fly Wheel Grinding Device -

V Type block Clamping Adjustable



### CENTERLESS GRINDING MACHINE MODEL NO. 100B

### **SALIENT FEATURES:-**

- Most economical and simple in operation.
- Suitable for small components through feed and in feed
- Grinding wheel and regulating wheel head fitted with precision bearings
- Manual dressing slides, hardened and ground covered with wipers
- Main screw hardened ground and protected from dust with bellow
- Hand wheel graduation for depth of cut 0.02mm
- · Grinding wheel duly balanced

### **OPTIONAL ACCESSORIES:-**

- Motorized centralized lubrication for slides
- Micro feed fine adjustment for depth of cut
- A.C. drive for regulating wheel head
- Wheel balancing stand with arbor
- Additional grinding wheel flange
- Additional regulating wheel flange
- Additional work rest blade through infeed
- Additional work rest blade infeed
- Magnetic coolant separator

### STANDARD ACCESSORIES :-

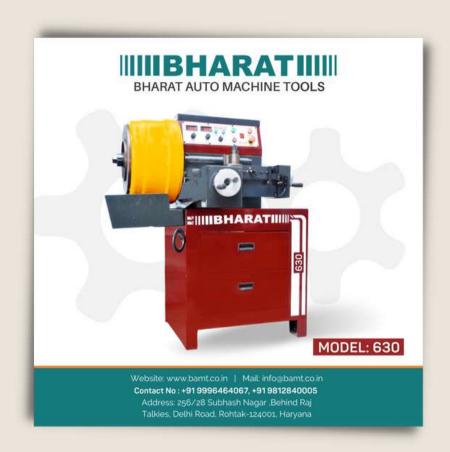
- Grinding wheel with flange
- Regulating wheel with flange
- Coolant pump with tank
- Work rest blade for through feed grinding
- Hand pump lubrication for slide
- Spanner Set



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Talkies, Delhi Road, Rohtak-124001, Haryana



### BREAK DISC & DRUM LATHE MACHINE [MODEL - 630]

### **TECHNICAL SPECIFICATION MODEL-630:-**

Mimimum Rotor Diameter Disk105mmMaximum Rotor Diameter Disk450mmMaximum Rotor Thickness Disk75mmMinimum Drum Diameter135mmMaximum Drum Diameter600mmMaximum Drum Depth250mmSpindle Weight Capacity70KGS

Spindle Speed 75-250 RPM

Maximum Feeder Rate - Roter & Drum60MM per minuteSpindle Motor2HP 415 V 50 HZ

Feed Motor40W-220VNet Weight570KGSGross Weight600KGS



### **STANDARD ACCESORIES A:-**

Centering Cone (36-52mm)	01 No
Centering Cone (43-63mm)	01 No
Centering Cone (53-73mm)	01 No
Centering Cone (63-83mm)	01 No
Centering Cone (71-91mm)	01 No
Centering Cone (88-108mm)	01 No
Centering Cone (93-118mm)	01 No
Spacer 10mm	02 No
Spacer 20mm	02 No
Spacer 40mm	01 No
Spacer 50mm	01 No
Spacer Spring	01 No
Rotary Silencer Band 215, 250, 280, 300mm	01 No ECH
ARBOR Nut -Spanner	01 No
Hole Cup 100mm	01 No
Hole Cup 125mm	01 No
Hole Cup 150mm	01 No
Hole Cup 175mm	01 No
Hole Cup 200mm	01 No
Spanner 12/13	01 No
Nutral Rubber Drum Belt	01 No
Cutting Inserts	03 NOS
Tip Holder Left With Screw	01 No
Tip Holder Right With Screw	02 Nos
Oil Gun	01 No
Boring Bar/Clamp	01 No
Insert Tighting Screw Driver	01 No
Bush	01 No
T Handle Allen Key - 01	01 No

### STANDARD ACCESORIES B (HEAVY DUTY FULL KIT):-

Arbor With Dia 50 Nut	01 Nos
Spacer (50 ID Thickness 10mm)	01 Nos
Spacer (50 ID Thickness 20mm )	01 Nos
Spacer (50 ID Thickness 30mm )	01 Nos
Spacer (50 ID Thickness 50mm )	01 Nos
Centering Cone ( 160-180mm )	01 Nos
Hole Cup (185-250)	02 Nos
Flange For Big Drum	01 Nos
Spring (51 ID X OD 60mm)	01 Nos

MANUFACTURER OFFERING A WIDE SPECTRUM OF HIGHLY EFFICIENT VERTICAL BORING MACHINE, LINE BORING MACHINE, HEAD SURFACE GRINDER, HONING MACHINE, CENTERLESS GRINDING MACHINE, AND MORE.





**MODEL: 480** 

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