

|||||BHARAT|||||

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BHARAT AUTO MACHINE TOOLS



MODEL: 630

Website: www.bamt.co.in | Mail: info@bamt.co.in
Contact No : +91 9996464067, +91 9812840005
Address: 256/28 Subhash Nagar ,Behind Raj
Talkies, Delhi Road, Rohtak-124001, Haryana

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

www.bamt.co.in

bharatautomachinetools@gmail.com

ABOUT US

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 Countries.

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.



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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	COMPANY USP	Large Product Line	Large Production Capacity Good Financial Position & TQM Experienced R & D Department Large Product Line
	Online			
Shipment Mode	Wire Transfer	Large Product Line	Quality Measures / Testing Facilities	YES
	RTGS			
Customized Packaging/td>	By Road	Quality Measures / Testing Facilities	YES	
	By Cargo			
Customized Packaging/td>	By Sea	Quality Measures / Testing Facilities	YES	
	YES			



VERTICAL BORING MACHINE MODEL 300

TECHNICAL SPECIFICATION MODEL-300 :-

Boring Capacity	Standard Ø 38-Ø078mm(1.5"-3")
Max. boring Head Travel	300 mm(11.0)
Spindle Speed (Infinitely 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 - Longitudinal	250mm (9.9")
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
Gross weight (Aproxx)	1200KG
Shipping Volume	3 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")
Max. boring Head Travel	325 mm(11.()
Spindle Speed (Infinitely 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
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
Gross weight (Aproxx)	1200KG
Shipping Volume	3 M³

STANDARD ACCESORIES MODEL-400 :-

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
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

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HORIZONTAL LINE-BORING MACHINE

[MODEL - LINEBORE 1545]

TECHNICAL SPECIFICATION :-

Maximum length Of Block	1545 mm
Distance From Built-in Paraellls To Boring Bar	
-Maximum	815 mm
-Minimum	515 mm
Boring Capacity	
-With Standard Boring Bars	34-150 mm
-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	0.15 mm
(Automatic and manual) Finishing	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.)

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	80mm-490mm
Boring Spindle Speeds	240,320,470,500,630,1000 RPM
Boring Range	15mm to 140mm
Feed Botth Direction	Infinitely Variable
Bottom Part Traverse Crosswise	50mm
Table Movement Logitudinal	300mm
Motor Spindle Speed (Dual Speed)	HP/KW/.95/1.7-0.7/1.25 or 2 HP Motor
Motor Spindle Feed	0.25 HP D.C
Length Of The Machine	1450 mm
Width Of the Machine	850 mm
Height Of Machine	1850 mm
Net Weight (approx.)	750 KG
Gross Weight (approx)	950 KG.
Shipping Volume	3 M3

STANDARD ACCESORIES :-

Boring Spindle Dia 14	1 No
Boring Spindle Dia 25	Fitted in
Boring Spindle Dia 40	1 No
Boring Spindle Dia 88	1 No
Boring Tools	4 No
T.S.M Frame 1	1 No
T.S.M Frame 2	1 No.
Centering Device With Dia 1 Guage	1 No.
Eccentric Plug (Gun Metal)	2 No
Micrometer with Dial Indicator (inch or mm)	1 No.
Con Rod Fixing 'V' Block With Pin	1 No.
Taper Pin	10 No
Nylone Cup	3 No
Tool Adjusting Bracket With Knob	1 No
Connecting Rod clamping collar Dia 25	1 No
Connecting Rod clamping collar Dia 32	1 No
Connecting Rod clamping collar Dia 40	1 No
Connecting Rod clamping collar Dia 48	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 Set
AllenKey Set (In inches)	1 Set
T AllenKey 3 mm	1 No
T AllenKey 4 mm	1 No
T AllenKey 5 mm	1 No
T AllenKey 7/32 mm	1 No
Oil Gun	1 No



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 taper 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 fixture 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.

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

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	1350mm (53.1")
Head Vertical Traverse	550 mm (21.7")
Segment wheel Dia	350 mm(14")
Max. Milling Width	300 mm (11.8")
Max Grinding Width	350 mm (14")
Max Grinding Length	1000 mm (41")
Min/Max Distance Between Table & Segment Wheel	0-550 mm (0-21.6")
Distance From column To Table Center	350 mm (14")
Grinding Spindle Rotation Speed	1400 rpm
Milling Speed Variable	80-700 rpm
Min/Max. Table Feed Speed (Steplessy Variable)	0-4500 mm/min
Spindle Motor	3.75-0.75Kw/5-1 HP
Head Rapid Feed Motor	0.19 Kw/0.5 HP
Hydraulic System Motor	0.75 Kw / 1 HP
Coolant Pump Motor	0.09 Kw/0.12 HP
Length Of Machine	1880 mm (74")
Width Of Machine	1120 mm (44")
Height Of Machine	1730 mm (68")
Work Space Required (LXB)	3100 X 1500 mm (110" X 59")
Work Height Required	2050 mm (81")
Net Weight	1500 KG (Aprox)
Gross Weight	2420 KG (Aprox)
Shipping Volume	8 M 3
Packing Case Outer Size (L X W X H)	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	1500mm (59")
Head Vertical Traverse	720 mm (28.3")
Segment wheel Dia	450 mm(17.7")
Max. Milling Width	380 mm (14")
Max Grinding Width	450 mm (15.7")
Max Grinding Length	1300 mm (51")
Min/Max Distance Between Table & Segment Wheel	0-720 mm (0-28.4")
Distance From column To Table Center	380 mm (15")
Grinding Spindle Rotation Speed	1400 rpm
Milling Speed Variable	80-700 rpm
Min/Max. Table Feed Speed (Step lessy Variable)	0-4500 mm/min
Spindle Motor	5.5 Kw/7 SHP
Head Rapid Feed Motor	0.19 Kw/0.5 HP
Hydraulic System Motor	0.75 Kw / 1 HP
Coolant Pump Motor	0.09 Kw/0.12 HP
Length Of Machine	2286 mm(90")
Width Of Machine	1220 mm (48")
Height Of Machine	1981 mm (78")
Work Space Required (LXB)	3800 X 1500 mm (122" X 59")
Work Height Required	2150 mm (85")
Net Weight	1950 KG (Aprox)
Gross Weight	2500 KG (Aprox)
Shipping Volume	9 M 3
Packing Case Outer Size (L X W X H)	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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MODEL: 540

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BREAK DISC & DRUM LATHE MACHINE [MODEL - 630]

TECHNICAL SPECIFICATION MODEL-630 :-

Mimimum Rotor Diameter Disk	105mm
Maximum Rotor Diameter Disk	450mm
Maximum Rotor Thickness Disk	75mm
Minimum Drum Diameter	135mm
Maximum Drum Diameter	600mm
Maximum Drum Depth	250mm
Spindle Weight Capacity	70KGS
Spindle Speed	75-250 RPM
Maximum Feeder Rate - Roter & Drum	60MM per minute
Spindle Motor	2HP 415 V 50 HZ
Feed Motor	40W-220V
Net Weight	570KGS
Gross Weight	600KGS

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

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