



Centralized Lubrication Pump



Balancing Stand



Microfeed



Radius & Angular Dressing Attachment

Technical Specifications

SPECIFICATIONS (in mm)	BMT MANUAL SURFACE GRINDERS			
MODELS	M - 914 OT	M - 1020 OT	M-1024 OT	M-1224 OT
Working Surface of Table	225x350	500 x 225	600 x 225	600 x 300
Max. Table Travel	250x365	525 x 250	625 x 250	625 x 300
Magnet Chuck Suitable	200x300	200 x 450	200 x 600	250 x 600
Max. Distance Centre of Spindle to Table	340	340	340	340
Vertical Down Feed on Hand Wheel	0.01	0.01	0.01	0.01
MICROFEED (Elevation)	0.002/1Div	0.002/1Div	0.002/1Div	0.002/1Div
Wheel Speed	2800 RPM	2800 RPM	2800 RPM	2800 RPM
Wheel Dimension Grinding	200X13X31.75	200 X13 X31.75	200 X19 X31.75	200 X19 X31.75
Spindle Motor 3 Phase	1 HP	1HP	1.5 HP	1.5 HP
Floor Area (Lx B x H) in inches	80"x62"x64"	80"x62"x64"	115"x64"x71"	115"x64"x71"
Packing Size (Lx B x H) in inches	46"x46"x68"	46"x46"x68"	50"x60"x72"	50"x60"x72"



M 1224 OT  
GRINDING CAPACITY  
(300 X 600mm)

SPECIFICATIONS (in mm)	BMT HYDRAULIC SURFACE GRINDERS						
MODELS	H/AH - 500	H/AH - 600	AH - 630	AH - 750	AH - 7540	AH - 1500	HAD 600
Working Surface of Table	500 x 225	600 x 250	600 x 300	750 x 300	750 x 400	1000 x 500	600X250
Max. Table Travel	525 x 250	625 x 260	625 x 310	760 x 310	760 x 400	1000 x 510	625X260
Magnet Chuck Suitable	200 x 450	200 x 600	300 x 600	250 x 750	300 x 750	1000 x 500	200X450
Max. Distance Centre of Spindle to Table	375	465	465	465	525	465	465
Vertical Down Feed on Hand Wheel	0.01	0.01	0.01	0.01	0.01	0.01	0.01
MICROFEED (Elevation)	0.002/1Div	0.002/1Div	0.002/1Div	0.002/1Div	0.002/1Div	0.002 mm	0.002/1Div
Wheel Speed	2800 RPM	2800 RPM	2800 RPM	1400 RPM	1400 RPM	1400 RPM	2800 RPM
Wheel Dimension Grinding	200 X19 X31.75	200 X19 X31.75	200 X19 X31.75	250 X25 X76	300 X25 X76	350 X50 X127	250 X19 X31.75
Spindle Motor 3 Phase	1HP	1.5 HP	1.5 HP	2 HP	3 HP	5 HP	2 HP
Table Speed	5-20 m/min	5-20 m/min	5-20 m/min	5-20 m/min	5-20 m/min	5-15 m/min	5-20 m/min
Auto Cross Feed increment	0.3 - 4.0 mm	0.3 - 4.0 mm	0.3 - 4.0 mm	0.3 - 4.0 mm	0.3 - 4.0 mm	0.3 - 3.0 mm	0.3 - 4.0 mm
Cross Feed on Hand Wheel	0.05mm/1 Gra - 5.00mm / 1 Rev.1 HP						
Hydraulic Pump Motor	1.5 HP	1.5 HP	2 HP	2 HP	2 HP	2 HP	2 HP
Hydraulic Tank Capacity	45 Ltr	75 Ltr	75 Ltr	75 Ltr	80 Ltr	80 Ltr	50 Ltr
Floor Area (Lx B x H) in inches	95"x58"x64"	95"x58"x70"	96"x60"x70"	128"x68"x71"	132"x60"x72"	150"x78"x72"	95"x58"x70"
Packing Size (Lx B x H) in inches	66"x47"x72"	84"x56"x72"	84"x56"x72"	100"x60"x72"	100"x64"x74"		84"x56"x72"

STANDARD ACCESSORIES

- Diamond Dresser with Holder
- Spanner for Wheel Change
- Grinding wheel
- MICROFEED for Elevator
- Electric Panel
- Electric Motor and Operation Manual.

OPTIONAL EQUIPMENTS AT EXTRA COST

- Magnetic Chuck
- Work Light
- Wheel Adaptor Puller
- MICROFEED for Cross Slide (in manual Model only)
- Centralised Lubrication Pump
- Wheel Balancing Stand with Mandrel
- Electro Magnetic Chuck with Rectifier.
- Coolant Pump with Tank & Flash Guard
- Angle & Radius Dressing Attachment
- Motorised Vertical Up and Down In Hydraulic Machine.
- Coolant Magnetic Separator

NOTE : OT Stands for Manual Model Longitudinal move in Oil Dip on Carriage. \*Y for Semi Hydraulic with cross feed manual. \*AH Automatic Hydraulic Longitudinal by hydraulic & cross feed by electrically control panel. The above specifications are not binding in detail and may changed without prior notice.



Manufactured by:

**BMT ENGINEERS**



Sold & Serviced by



**BMT ENGINEERS**



AH 600  
GRINDING CAPACITY  
(600 X 250mm)  
Heavy Duty with Latest Panel

**HIGH PRECISION HYDRAULIC & MANUAL SURFACE GRINDERS**



RONAK SINGH BHURJI : A talented and dynamic person, is the son of eminent industrialist Er. Surinder Singh Bhurji. BMT Group is manufacturing Surface Grinders since 1969. He is devoted to hard work and precision engineering. His phenomenal and untiring efforts accompanied by Quality consciousness and management skills took the company to its present name and fame in the field of manufacture of Surface Grinding Machines.

Er. RONAK SINGH BHURJI  
Managing Director  
B.E ( Mechanical), MBA

### BMT SALIENT FEATURES

- HEAVY DUTY robust base structure and slides with excellent rigidity and capable to handle heavy jobs.
- COLUMN & VERTICAL SLIDE : Both Guideways are ground finished for high rigidity & z-axis Accuracy.
- OIL LUBRICATION : Magnet slide is immersed in oil bath and all other parts lubricated with Centralised lubrication pump.
- WHEEL HEAD : Spindle is mounted on a rigidly constructed spindle housing which runs on preloaded super precision anti friction imported bearings which are grease packed for long life. Direct drive by flange mounted motor eliminate the vibrations.
- MICROFEED : The vertical feed movement is equipped with MICROFEED up to 0.002mm.
- LATEST ELECTRIC CONTROL PANEL : It is having LED'S , TC Contractors, AGI Rotary switch & soft touch push Buttons. An independent control box with an ergonomically designed panel offers a comfortable and convenient operation environment.

Precision-Made  
Machinery You Can **Rely On**  
Year after year...

- EXTRA FEATURES OF HYDRAULIC MACHINES : Hydraulic Machines are equipped with Quality seals, Hard Chrome plated rod and Honned Cylinder.
- POWER PACK Equipped with relief valve, pressure gauge, suction, branded hydraulic pump and works on low pressure. It is situated outside the machine body for better cooling.
- Machine is provided with stock adjustment stoppers. The Magnet slide is automatically lubricated through power pack.
- All hydraulic connections are connected by imported copper pipes, leak proof hydraulic fittings and Gates /Markwei hydraulic hose pipes.
- After completion of the job, the machine stops automatically
- Superior Quality, Accuracy and Prompt deliveries have gained us Reputation.



MANUAL SURFACE GRINDER  
M 1020 OT  
GRINDING CAPACITY  
(500 X 225mm)



AH 500  
GRINDING CAPACITY  
(500X 225mm)

10,000 PLUS  
SATISFIED  
CUSTOMERS  
WORLD WIDE



WIDE BED SURFACE GRINDING  
MACHINE

AH 7540  
GRINDING CAPACITY  
(750 X 400mm)



HYDRAULIC SURFACE GRINDING MACHINE



AH 630  
GRINDING CAPACITY  
(600 X 300mm)  
ACCURATE MODEL