

**Product Name :**  
 Horizontal Hydraulic Surface Grinder

**Product Code :**  
 gm0003



**Description :**

Horizontal Hydraulic Surface Grinder

**Technical Specification :**

HEAVY DUTY - robust base structure & slide 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 antifriction imported bearings which are grease packed for long life. Direct drive by flange mounted motor eliminate the vibration. MICROFEED - The vertical feed movements are equipped with MICRO FEED upto 0.002 mm ELECTRIC CONTROL PANEL - having L & T / TC Contactors, AGI, Rotary switch and soft touch push buttons. STANDARD EQUIPMENTS : Diamond Dresser with Holder Spanner for Wheel Change Grinding Wheel MICROFEED for Elevator Electric Panel Electric Motor OPTIONAL EQUIPMENTS : Magnetic Chuck Work Light Coolant Pump with Tank & Flash Guard Angle & Radius Dressing Attachment Wheel Adopter Puller MICROFEED for Cross Slide Centralised Lubrication Pump Wheel Balancing Stand with Mandrel Electro Magnetic Chuck with Rectifier

Working Surface of Table	500 x 225	600 x 250	600 x 300	750 x 300	750 x 400	1000x300
Max. Table Travel	525 x 250	625 x 250	625 x 310	760 x 310	760 x 400	1000 x 310
Magnet Chuck Suitable	200 x 450	200 x 600	250 x 600	250 x 750	300 x 750	300 x 900
Max. Distance Centre of	340	340	340	375	465	465

Spindle to Table						
Vertical Down Feed on Hand	0.01	0.01	0.01	0.01	0.01	0.01
Wheel						
MICROFEED (Elevation)	0.002/1 Div.	0.002/1 Div.	0.002/1 Div.	0.002/1 Div.	0.002/1 Div.	0.002/1 Div.
Wheel Speed	2800 RPM	2800 RPM	2800 RPM	1400 RPM	1400 RPM	1400 RPM
Wheel Dimension Grinding	200 x 13 x 31.75	200 x 19 x 31.75	200 x 19 x 31.75	250 x 25 x 76	300 x 25 x 76	250 x 25 x 76
Spindle Motor 3 Phase	1HP	1.5 HP	1.5 HP	2 HP	3 HP	3HP
Table Speed	5 - 25 m/mn.	5 - 25 m/mn.	5 - 25 m/mn.	5 - 25 m/mn.	5 - 25 m/mn.	5 - 25 m/mn.
Auto Cross Feed increment	0.3-1.0 mm	0.3-1.0 mm	0.3-1.0 mm	0.3-1.0 mm	0.3-1.0 mm	0.3-1.0 mm
Cross Feed on Hand Wheel	0.05mm=1 Gra-5mm / 1 Rev.					
Hydraulic Pump Motor	1 HP	1 HP	1.5 HP	1.5 HP	2 HP	2 HP
Hydraulic Tank Capacity	45 Ltr.	75 Ltr.	75 Ltr.	75 Ltr.	80 Ltr.	80 Ltr.

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