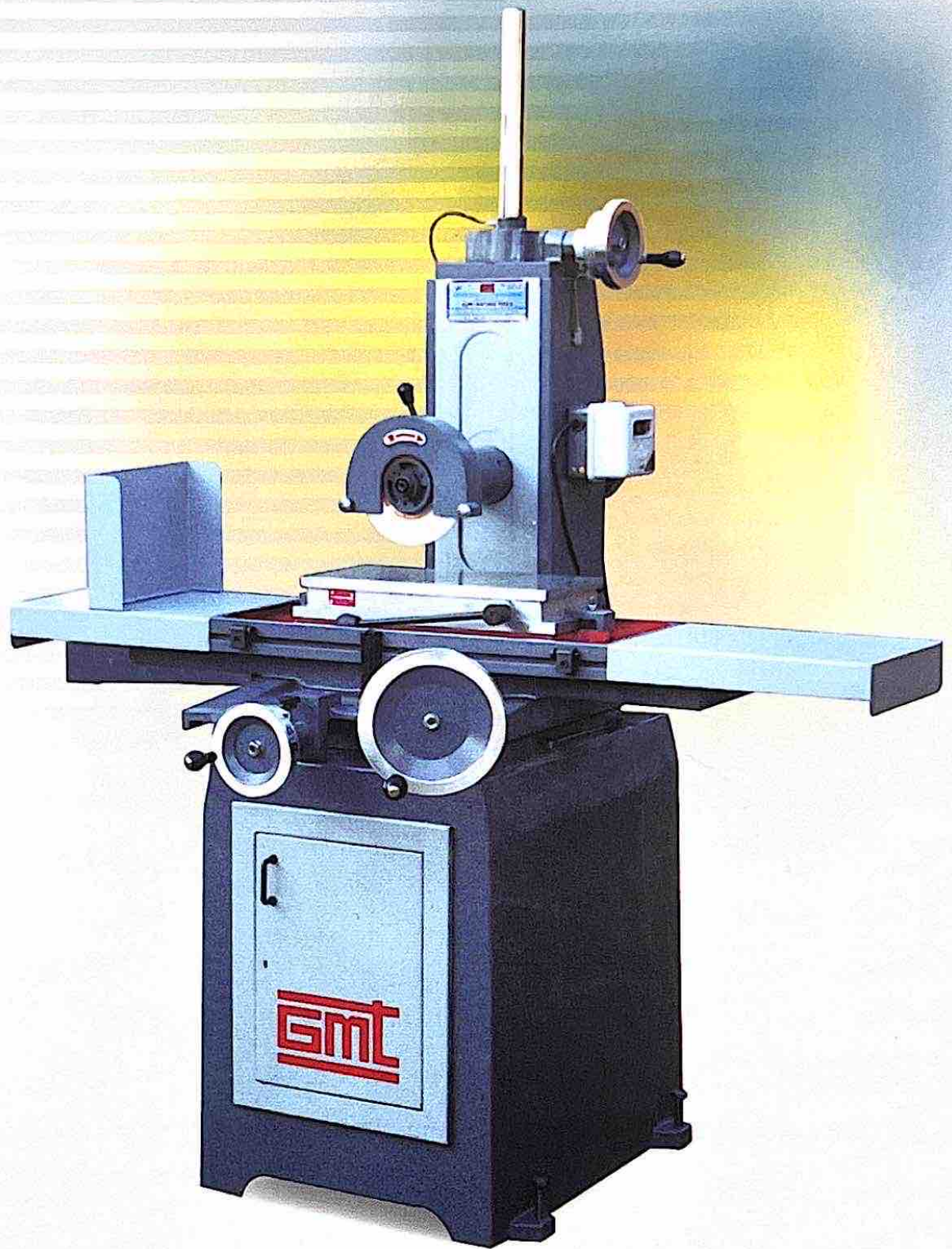


THE NECESSITY OF EVERY INDUSTRY...

GMT

PRECISION SURFACE GRINDER



www.gmtmachines.com

Technical Details...

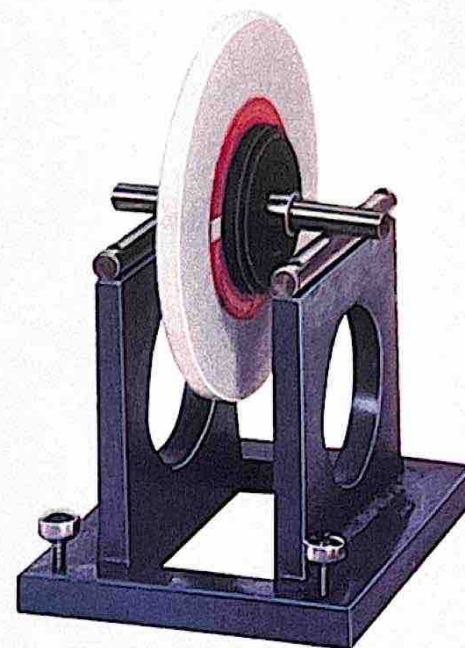
GMT PRES

GMT have developed different sizes of Surface Grinders incorporating modern techniques & highly sophisticated technical features. The grinding accuracy of the machine is guaranteed and all controls of the machine are within a easy reach of the operator.

The Machine is built of heavy duty cast iron & the table slide moves in the oil bath made on the cross slide which further ensures absolutely vibration-free movement & every care has been taken to fabricate each & every part incorporated in the machine precisely so as to enable the machine to achieve its maximum accuracy.

Progressive gearing technology & precision machined components ensure minimum of replacement through wear. Precised engineering and simple easily accessible controls mean time saving & accurate operation.

All the machines are backed by prompt after sales service & spare parts supply.



WHEEL BALANCING STAND

Special Ball type machines are also available.

The surface grinders are available in different sizes according to the customers requirement. Some of the sizes are given in the catalogue.

SPECIFICATIONS

Working Surface of the table	175 x 350 mm	225 x 350 mm	225 x 450 mm	250 x 500 mm	300 x 600 mm
Maximum height from table to Grinding Wheel	275 mm	275 mm	275 mm	275 mm	275 mm
Vertical Feed Graduation	0.01 mm	0.01 mm	0.01 mm	0.02 mm	0.02 mm
Cross Feed Graduation	0.05 mm	0.05 mm	0.05 mm	0.05 mm	0.05 mm
Spindle Speed	2800 R.P.M.	2800 R.P.M.	2800 R.P.M.	2800 R.P.M.	2800 R.P.M.
Size of Grinding Wheel (Dia x Width x Bore)	175 x 13 x 31.75 mm	200 x 13 x 31.75 mm	200 x 13 x 31.75 mm	200 x 20 x 31.75 mm	200 x 20 x 31.75 mm
Magnetic Chuck Recommended	150 x 300 mm	200 x 300 mm	200 x 450 mm	200 x 500 mm	200 x 500 mm
Electric Motor Recommended	0.5 K.W. 3 phase 3/4 HP 2800 RPM	0.75 K.W. 3 phase 1 HP 2800 RPM	0.75 K.W. 3 phase 1 HP 2800 RPM	1.5 K.W. 3 phase 2 HP 2800 RPM	1.5 K.W. 3 phase 2 HP 2800 RPM
Diamond Dresser	0.5 Cr.	0.5 Cr.	0.5 Cr.	0.5 Cr.	0.5 Cr.
Wheel Balancing Stand recommended.	One	One	One	One	One
Net Weight (Approx.)	600 ~ 700 kg.	700 ~ 800 kg.	800 ~ 900 kg.	900 ~ 1000 kg.	1000 ~ 1100 kg.

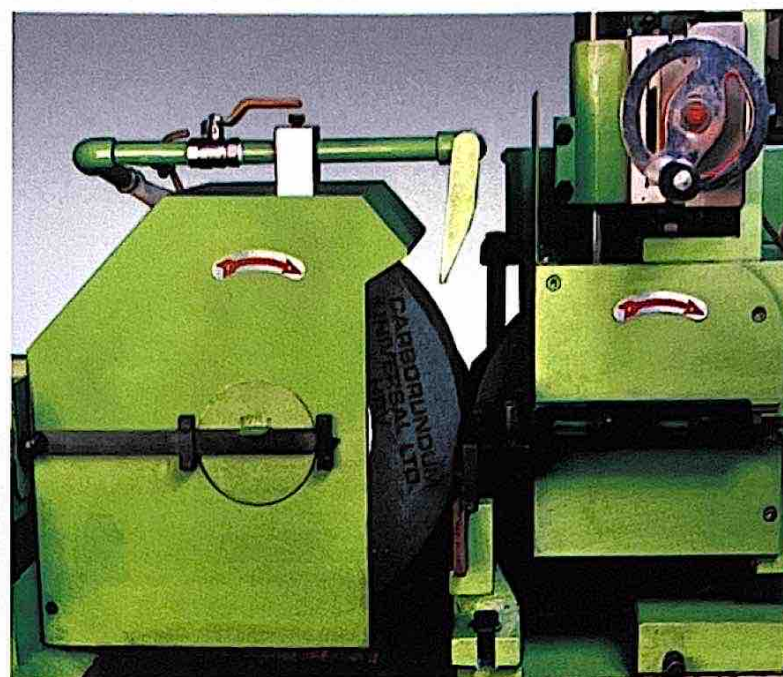
PRECISION SURFACE & CENTRELESS GRINDERS

CENTRELESS GRINDER :

The Centreless Grinding Machine is designed to grind small and miniature parts at high speed and within close tolerances. Straight, Shoulders and Taper parts can be ground with equal ease. Suitable for hardened and unhardened Steel, Brass, Copper, Aluminium or any other material.

SALIENT FEATURES:

- ★ Grinding wheel spindle is made of hardened alloy steel & runs on Phosphorus Bronze bush Bearings for rigidity, fine finish & accuracy. Grinding wheel spindle lubrications is fully automatic & bushes are adjustable for longer life of Grinding wheel head.
- ★ Control wheel spindle is made of Hardened Alloys Steel & runs on Phosphorus Bronze taper bush Bearings fitting with self adjustable mechanism. Control wheel spindle & Worm Gear runs in oil bath for its longer life.
- ★ Separate dressing slides are for Grinding wheel as well as for Control wheel.
- ★ Fixed Grinding wheel head for maximum rigidity. Control wheel head is fixed on wide & rigid main slides to avoid vibration.
- ★ The main slide mounted with regulating wheel, work rest and truing device can be swivelled about a horizontal axis in either direction for Quick & Accurate Parallelism between the face of the grinding wheel and that of the control wheel for producing true cylindrical work.
- ★ The machine can be equipped with long bar feeding attachment.



SPECIFICATIONS	G. M. T. - 75
Grinding Diameter	2 - 75 mm
Grinding Wheel size	350 x 127 x 100 mm
Control Wheel size	225 x 76 x 100 mm
Grinding Wheel Speed	1850 R.P.M.
Control Wheel Speed	20 - 100 R.P.M.
Grinding Wheel Motor	5 H.P / 1440 R.P.M.
Control Wheel Motor	1.5 H.P. / 1440 R.P.M.
Coolant Pump	0.10 H.P.
Size	1600 x 1350 x 1425 mm
Weight	1700 Kg. (Approx.)

Note : The illustrations and specifications are not binding & subject to change without notice since the machine is being constantly improved.

CENTRELESS

GRINDER



Manufactured by
GURU MACHINE TOOLS
Faridabad, (Haryana)

Dealer