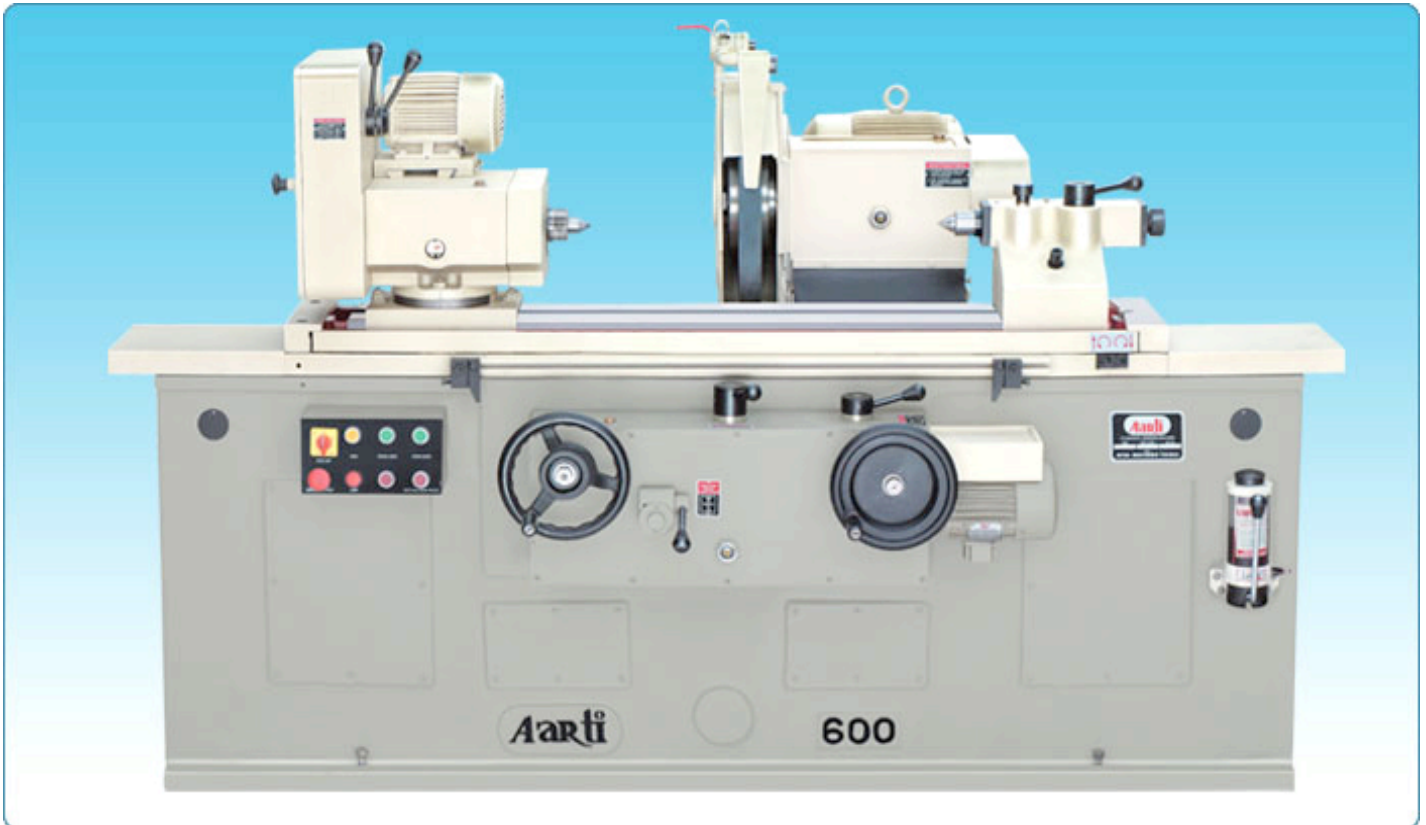




ASIA MACHINES



## MECHANICAL CYLINDRICAL GRINDING MACHINE



### CONSTRUCTION

**Base:** This is a high grade alloy cast iron body designed to make easy movement of table slide, by providing V - ways and flat ways duly hand scraped to fine tolerance to achieve highest accuracy.

**Table:** It is composed of two parts. The lower part is called "Slide" and upper part "Table". "**TURCITE - B**" is lined on table ways and as well as on slide ways. The slide moves on V and flat ways of bed provided for which ensure very smooth longitudinal table movement. The upper table can swiveled for external and internal grinding jobs, with fine setting arrangement.

### WORKHEAD & TAILSTOCK

Both are detachable and adjustable when required. Work head alloy steel spindle has been made for revolving as well as stationery centers. The spindle is fitted with phosphorous bronze taper bushes inside the work head and can be swiveled up to 90° towards grinding wheel and 30° towards operator for taper and conical grinding. The drive to work head spindle is given by an electric motor through V-belts. The tailstock spindle runs in a honed bore and is spring loaded for quick release. Morse tapers are arranged for dead centers to be fitted in work head spindle and tailstock spindle noses.

### WHEELHEAD

Designed to ensure maximum rigidity and smooth operation. The spindle is fitted with white metal taper bushes. The Grinding wheel is fitted on a taper nose mounted in wheel-flange, arranged to balance for vibration free operation. The drive is given by an electric motor through V-belts. Wheel head slide lining with anti-friction material "**TURCITE - B**"

## TECHNICAL SPECIFICATION

Particulars	MODELS				
	450	600	800	1000	1250
Capacities MM	450	600	800	1000	1250
Maximum grinding length MM	450	600	800	1000	1250
Maximum height of centres MM	150 MM				
Maximum swing over bed	295 MM				
Maximum grinding diameter	100 MM				
Table feed	Mechanical				
Number of table feed	6				
Range of table feed per minute	65 MM, 140 MM, 200 MM, 215 MM, 430 MM, 635 MM				
Maximum table swivel	± 5°				
Electric motor for table drive	0.37 KW / 0.5 H P				
Work head swivel on either slide	45°				
Work head spindle speeds	3				
Work head spindle speeds range	65 RPM, 96 RPM, 132 RPM				
Work head motor	0.37 KW / 0.5 H P				
Taper in workhead spindle	MT - 4				
Transverse movement of wheel head	125 MM MAX.				
Size of grinding wheel	400 x 25 x 127 MM				
RPM of grinding wheel	1550 RPM				
Wheel head motor	2.2 KW / 3 H P				
Taper in tailstock spindle	MY - 4				
Coolant pump	0.11 KW / 0.15 H P				

Standard Accessories :	Optional Accessories :
Coolant Pump with Tank Grinding Wheel with Flange and Flange Puller Chuck plate Dead Centre 2 Nos. Dressing tool Holder Testing Bar Tool kit Lubrication oil pump	Internal Attachment, Wheel Balancing Stand Wheel Balancing Mandrel, Micro Feed Attachment Steady Rest, Follow Rest Spare Wheel flange Magnetic separator Anti vibration mount Radius dresser Carrier plate Turcite - B slide way Two speed motor.

**Note :** As improvements are made from time to time. The specification are subject to change without notice and are not binding on us. Inspection at our sight before delivery.