



PRECISION MACHINE TOOL

High Precision Grinding Machine



ABC- 600mm CYLINDRICAL GRINDING MACHINE



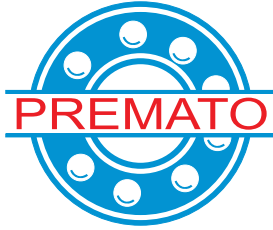
ABC- 300mm CYLINDRICAL GRINDING MACHINE
WITH ID ATTACHMENT



ABC- 1000mm X 150 CH HYDRAULIC
CYLINDRICAL GRINDING MACHINE

TECHNICAL SPECIFICATIONS

GENERAL					
Centre Height	mm	130 / 150	180	200	250
Centre Distance	mm	300	500/600	800/1000	1250 / 1500 / 2000
Maximum Grinding Length	mm	300 / 500 / 600 / 800 / 1000 / 1250 / 1500 / 2000			
TABLE					
Max. Swivel of Table	deg	± 6			
Speed Inf. Variable	m/min.	0.1 - 0.5			
Guideways coating	Turcite –B slide way coated on both moveable slides to prevent stick slip motion.				
GRINDING WHEEL					
Diameter	mm	350	400	500	
Width	mm	40	40	50	
Bore	mm	127	127	203	
Wheel Speed	rpm	1900 - 2100	1700 - 1900	1400 - 1600	
GRINDING WHEEL HEAD					
Grinding Wheel Head Bearings	Wheel head Spindle made of alloy steel, specially heat treated, case carburizing, ground, lapped and cartridge type spindle, long life imported grease lubricated fitted with high precision imported P4 grade matched pair angular contact bearings of 2 pairs in front and 1 pair at rear, which give very high accuracy and excellent surface finish to the work piece.				
Rapid Approach / Retraction	mm	50			
Manually feed resolution	mm	0.005 on radius			
WORK HEAD					
Bearings	Heavy duty work head having high precision clearance adjustable bronze metal taper bush bearing for higher load carrying capacity & accuracy as per IS specification.				
No. of Speeds	Infinitely Variable				
Speed Range	rpm	25 - 600 Infinitely Variable Speed, 3 Phase VFD (Make: Schneider)			
Swivel	deg	± 90			
Spindle Nose Taper	MT	3 / 4 / 5			
TAIL STOCK					
Centre	MT	3 / 4 / 5			
Quill Travel	mm	25 / 50 / 80			
MOTORS POWER					
Wheel Head	hp	3 / 5 / 7.5 / 10			
Work Head	hp	1 / 2 / 3			
Hydraulic Power Pack	hp	1 / 2 / 3			
Coolant Pump	hp	0.15			
INTERNAL GRINDING ATTACHMENT					
Spindle	mm	60 X 250 mm			
Spindle Speed	rpm	18000			
Internal grinding attachment fitted with P4 grade matched pair antifriction bearings of two pairs, dynamic balanced pulley, and imported endless flat belt without any joint having all safety guards.					
Two quills will be provided with the internal grinding spindle for different size of bore grinding.					



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RELIABLE + PRODUCTIVE + PRECISE
CNC CYLINDRICAL GRINDING MACHINE



OUR PRODUCTS

- Hydraulic Universal Cylindrical Grinding Machines (ABC-300 mm to ABC-2000 mm)
- Hydraulic Bore Grinding Machines
- Centerless Grinding Machines
- Automatic Plunge Grinding Machines
- SPM Grinding Machines
- CNC Cylindrical Grinding Machines
- PLC Cylindrical Grinding Machines
- Manual Cylindrical Grinding Machines

APPLICATION AREA

- Defense & Railway Components
- Bearing Inner & Outer Race
- Straight and Taper Sleeves
- Circular Saw and Cutters
- Pharmaceutical Punches
- Two Wheeler & Four Wheeler Components
- Plug & Ring Gauges
- Collets & Tool holder
- Aerospace Components
- Rubber Rollers
- Compressor Parts, Fasteners
- Tool Room & Cutting Tools

MACHINE IS TESTED AS PER IS : 2368 & ISO : 2433





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2000mm EXTERNAL CYLINDRICAL GRINDING MACHINE

TECHNICAL SPECIFICATIONS

GENERAL				
Centre Height	mm	150 / 200 / 250 / 300		
Swing Over Table	mm	300 / 400 / 500 / 600		
Admit between Centers	mm	1500 / 2000		
Max. Grinding Length	mm	1500 / 2000		
TABLE				
Max. Swivel of Table	deg	+ 6		
Speed Inf. Variable (Hydraulic traverse)	m/min.	0.1 - 0.5		
Guideways coating	Turcite –B slide way coated on both moveable slides to prevent stick slip motion.			
GRINDING WHEEL				
Diameter	mm	500	600	750
Width	mm	50	90	70
Bore	mm	203.2	304.8	304.8
Wheel Speed	rpm	1400 - 1600	1200 - 1500	850 - 1020
GRINDING WHEEL HEAD				
Grinding Wheel Head Bearings	Wheel head Spindle made of alloy steel, specially heat treated, case carburizing, ground, lapped and cartridge type spindle, grease lubricated fitted with high precision imported P4 grade matched pair angular contact bearings of 2 pairs in front and 1 pair at rear, which give very high accuracy and excellent surface finish to the work piece.			
Hyd. Rapid Approach / Retraction	mm	50 (optional)		
Manually feed resolution	mm	0.005 on radius		
WORK HEAD				
Bearings	Heavy duty work head having high precision imported bearings – 4 bearings in front & 4 bearings at rear.			
No. of Speeds	Infinitely Variable 3 Phase VFD (Make: Schneider)			
Speed Range	rpm	15 – 100 infinitely variable		
Swivel	deg	± 30		
Spindle Nose Taper	MT	5		
TAIL STOCK				
Centre	MT	5		
Quill Travel	mm	50		
Max. load carrying capacity with steady	Kg.	300		
MOTOR POWER				
Wheel Head	hp	7.5		
Work Head	hp	3		
Hydraulic Power Pack	hp	2		
Coolant Pump	hp	0.16		