

## SGI 1000MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE



### SPECIFICATIONS SGI 1000MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	6+3
Center Height	155
Swing over table	300
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 4
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	MECHANICAL/HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 400 X ID 127mm X Width 38mm
<b>POWER</b>	
Work Head	0.5 HP Geared Motor
Wheel Head	3 HP
Table Feed	1 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models.
Coolant	0.5 HP
Internal Grinding Attachment	1.0 HP
Lubrication Pump	90 Watts

### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemens's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuker/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).