



**SGI 3000MM
PRECISION UNIVERSAL
CYLINDRICAL
GRINDING MACHINE
HEAVY DUTY**

**SPECIFICATIONS SGI 3000MM PRECISION UNIVERSAL
CYLINDRICAL GRINDING MACHINE**

Description	Specifications
Table Swivel	6+3
Center Height	250
Swing over table	490
Work Head	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
Table	
Stepless	HYDRAULIC/SERVO
Wheel Head	
Rapid Approach	50 mm
Wheel with Hand Wheel	250 mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 500 X ID 254mm X Width 50mm
POWER	
Work Head	1.5 HP Geared Motor
Wheel Head	5 HP
Table Feed	3 HP induction or 3 Kw servo
Cross Feed	1.5 Kw
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP servo for servo models.
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 Yuken/ 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).