Smith GRINDERS (INDIA)
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SGI 455MM

PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

SPECIFICATIONS SGI 455MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

DESCRIPTION	SPECIFICATIONS
Table Swivel	9+3
Center Height	140 mm
Swing over table	270 mm
WORK HEAD	
Speed	Variable with AC Drive
Morse Taper	MT 3
Swivel	45 + 45 degree
Spindle Bore	18 mm
TABLE	
Stepless	MECHANICAL/HYDRAULIC/SERVO
WHEEL HEAD	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 350 X ID 127mm X Width 38mm
POWER	
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/Siemen'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).