

VALVE SEAT CUTTING MACHINE (SCM)

TECHNICAL DATA (SCM)

MODEL - 1000

Spindle	DIA 70mm (2.76")
Max Spindle Travel	150mm (6")
Max Spindle Tilt (Either side of zero)	15 Degree
Distance from table to spindle	400mm (15.75")
Set Dia (Min to Max STD)	DIA 18 to 32 mm (Optional 32-45)
Seat Angle	45 Degree
Spindle Speed (Variable)	40 to 300 R P M
Spindle Head Travels (Front & Back)	30 mm (1.18")
Spindle Head Travels (Left & Right)	700 mm (27.55")
Clamping Block Travels (Front & Back)	130 mm (5.12")
Clamping Table size	1000mm x 550 mm (39.4" x 21.65")
Electrical Requirements	3 Phase, 15Amp, 1HP.
Air Requirements	100 psi, 6 Bar.
Spindle Motor	0.75 KW / 1 HP
Floor Space Requirements	1000mm x 590mm x 2100mm (39.38" x 23.22" x 82.68")
Machine Net Weight (Approx)	750 KG
Machine Gross Weight (Approx)	850 KG

STANDARD ACCESSORIES

MODEL - 1000

Tool Holder Set	DIA 28 2Nos.
Guide Stem	3 Nos (Steel)
Spring	3 Nos
Diameter Setting Device	1 Set
Single Cylinder, Head Clamping Fixture	1 Set
Centering Sensor Digital	1 No
Digital Display Unit	1 No
Allen Key Set	1 Set. (9 Nos)
Spindle Nut Tightening Spanner	1 No
Leveling Bolt	4 Nos
Leveling Plate	4 Nos
Tool Box	1 No
Air Gun	1 No
Broken Bush	2 Nos
Distance Piece (Clamping)	2 Set

OPTIONAL ACCESSORIES

- Digital Depth Gauge
- Lapping Holder Set
- Carbide Stem
- P L C Control System
- Reaming Holder
- Vacuum Tester
- Reaming Collette
- Tool Grinder
- Reamer

MAIN FEATURES OF MACHINES

- Table, Column, Swivel Bracket, Fixed Bracket & Clamping Bracket are of fine grind alloy casting, stress relieving after rough machining ensures rugged and vibration free of the machine.
- Vacuum Tester helps to quick checking of valve seats before removing the cylinder head.
- Drawers and Top Tray as worked as a huge storage capacity .
- 360 Degree Rollover Fixture provides quick loading and easy access to all sides of the head.
- Spindle tilts up to 20° vertical in both directions.
- Large handle wheel provides rapid feed and small hand wheel allows precise fine feed control of the spindle.
- We provides Lapping & Reaming Facilities.
- Depth Indicator help us to know how much has been removed from the seat assuring consistent seat depth.
- Spindle Nut offers quick tooling change for a wide selection of tooling and spindle adapters.