



VALVE SEAT CUTTING MACHINE



AUTOMATIA MACHINES PVT LTD

36/2863D, Thamarassery Building, Edapally North P.O, Thattampady, Cochin 682024, Kerala, India

TEL: +91 94464 28063, +91 90742 83092

email: marketing@automatia.in

www.automatia.in

VALVE SEAT CUTTING MACHINE

PRODUCT DESCRIPTION

Model AVSC 1300

This is a heavy duty Valve Seat Cutting Machine with micro precision, made from graded stainless steel and has Centering Guide Stem made of a combination of carbide and steel facilitating perfect centering. The head movement is pneumatic which can be operated easily, which reduces noise and saves time. Digital Centering aides in faster and accurate job alignment. The Tip Holder and Inserts are specially designed to make accurate cutting angles at 30 and 45 degrees. This machine is equipped with a variable speed motor, DRO (digital), or mechanical dial indicator which facilitates accurate depth control.

TECHNICAL SPECIFICATIONS

DESCRIPTION	AVSC 1300
Diameter of Spindle	80 mm
Maximum Spindle Travel	200 mm
Maximum Spindle Slant	30 Deg
Boring Range	18-80 mm
Spindle Speed Range (Variable)	30-500 rpm
Spindle Head Traverse – Cross Wise	60 mm
Spindle Head Traverse – Longitudinal	1000 mm/1600 mm
Distance from Spindle to Table Top	500 mm
Minimum Seat Cutting Diameter (Standard)	18 mm
Minimum Seat Cutting Diameter (Optional)	14 mm
Maximum Seat Cutting Diameter (Standard)	100 mm
Maximum Seat Cutting Diameter (Optional)	120 mm
Clamping Block Traverse – Cross Wise	1600 x 600 mm
Electric Motor	1 Hp, 3 Ph, 415 v, 50 Hz
Air Requirements	6 Bar 100 psi
Floor Area Requirement	1800x1000x2200 mm
Approx Shipping Dimensions (LxWxH)	2000x1200x2300 mm

STANDARD ACCESSORIES

DESCRIPTION	UNIT	DESCRIPTION	UNIT
Air Gun Set	01 NO	Insert Holder 25 – 40 mm	01 NO
Allen Key Set	01 NO	Insert Holder 40 – 60 mm	01 NO
Digital Centering System	01 NO	Insert Holder 60 – 80 mm	01 NO
Carbide Stems – Custom Sizes	06 NO	Insert Holder 80 – 100 mm	01 NO
Cutting Tool (3D – 45 Deg)	02 NO	Spanner 22 – 24 mm	01 NO
Cutting Tool (3D – 30 Deg)	02 NO	Tool Setting Fixture	01 NO
Cutting Tool (3D – 45 Deg)	01 NO	Job Support Plate	01 NO
Cutting Tool (1D – 90 Deg) Facing	01 NO	Bushes PB	06 NO
Cutting Holder Ball Head 0.375"	02 NO	Leveling Bolts	04 NO

OPTIONAL ACCESSORIES AT EXTRA COST

DESCRIPTION	UNIT
Vacuum Tester Set	01 NO
Depth Measurement Set (Mechanical)	01 NO
Depth Measurement Set (Digital)	01 NO
Tool Grinder	01 NO
Carbide Stem above ø 7 mm	01 NO
Lapping Unit	01 NO
HMI Unit (Touch Screen)	01 NO
Single Cylinder Clamping Plate	01 NO
Reamer Attachment	01 NO