



FSV120

Valve seat machine

The FSV120 is a boring machine for valve seats trucks engines that ensures perfect results, thanks to the working precision and extreme ease of use.

The spindle head moves on an air cushion allowing a quick and precise positioning of the tool holder head one the carbide tungsten pilot stuck into the valve guide.

The system of fixed pilot, combined with the tool head mounted on a spherical adapter, guarantees a fast and correct alignment and centering.

The double spindle advancement system offers a perfect tool feed speed, thanks to the fast front wheel and the lateral micrometric one.

The 360° pivoting fixture has a strong and rigid structure that avoids any tool vibration and increases the quality of the finish. Furthermore, the fastening of the cylinder head is extremely easy and quick, as well as the leveling done by the micrometric adjustment handwheel.

The accuracy is ensured by the electronic level display.

The machine includes in tthe standard equipment, several useful accessories such as the integrated vacuum gauge, a LED light, the storage tray wich improve functionality and usability.

Images may show the product equipped with optional accessories



Standard equipment

Air float Work Head for light positioning
Air pressure filter/regulator
Universal 360 degree roll over Cylinder Head fixture
Adjustable Clamping Kit for special cylinder heads
Hardened spindle with taper tool holder
Infinitely variable spindle speed
Adjustable end stroke
Electronic level with readout
Cutting depth measuring dial gauge
APM100 Ball head drive adaptor
TH0375 Tool holder mandrel for 9,52 mm pilots
CUT2000 insert tool holder (18-30 mm)
CUT2001 insert tool holder (26-42 mm)
CUT2002 insert tool holder (40-60 mm)
TSF010 Tool setting fixture
Vacuum tester complete with pads
LED lighting system
Swing arm tool storage Cabinet
Removable Chip tray
Wrench set
Instruction manual

Specifications

Max cylinder head dimensions (LxWxH):
1120x304x150 mm
Valve seat diameter range: 14÷76 mm
Spindle diameter: 56 mm
Spindle toper: ISO 30
Spindle speed (range): 0-500 RPM
Spindle motor power: 1,5kW
Spinde travel/Stroke vertical: 180 mm
Work head travel horizontol-airflood/airclamp:
1340 mm
Work head travel: 50 mm
Work head tilt (either side of vertical zero):
±10°;
Maximum distance from table to spindle: 473 mm
Working air pressure: 6 bar
Dimensions (LxWxH): 1000x1635x2210 mm
Weight: 1100 Kg

Accessories

UTxxxx- A
Multi-angle cutting Insert ? A style



UTxxxx- B
Multi-angle cutting Insert ? B style



MPP316

Drill chuck dia. 3÷16 mm with adapter taper ISO-30



FSV500

Tool sharpening attachment with diamond wheel



TH0375

Ball head Tool holder



APM100

Ball Head drive adaptor



TSF010

Tool Setting Fixture



CUTxxxx

Insert holder



CPxxxx

Fixed Tapered Carbide Pilot (Standard Shank 9.52 mm - .375")

MPxxxx

Fixed Tapered Carbide Pilot (Mini Shank 6,00 mm - .236")

