

VV80 - VALVE SEAT REFACING MACHINE



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WORKING CAPACITY

	VV80
Cylinder head max length	1200 mm
Valve seat min boring dia.	16 mm
Valve seat max boring dia.	90 mm

GEOMETRIC FEATURE

Counterboring of valve seat ring min dia.	25 mm
Counterboring of valve seat ring max dia.	100 mm
Spindle max stroke	200 mm
Boring head inclination degree	15°

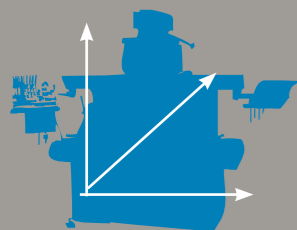
SPEED

Spindle rotation speed	0-800 RPM
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MOTOR RATINGS

Main motor power with inverter	1.5 kw
Hydraulic plant motor power	0.3 kw

SPECIFICATIONS >>>



	VV80
Dimensions without packing	1650X880X1820 mm
Dimensions with packing	1820x1200x2400 mm
Weight	720 kg
Weight with packing	1100 kg

DIMENSIONS AND WEIGHTS >>>



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Subject to change, as of JULY 2010



GREAT WORKING CAPABILITY

A very accurate, all-purpose machine for valve seats and guides, with light weight floating and tilting work-head, using three- angle single blade cutters. The massive structure of the machine accommodates the 360-degree roll-over fixture for engines heads up to 1200 mm.

The self centering system driven by ball-head and fixed conical pilots is the most accurate system for perfect valve seat machining it automatically compensates the slight deviations in guide alignment.

This heavy duty machine, designed to improve production and quality will greatly reduce your labor costs for cylinder head machining.

Adaptors for quick alignment of engine heads with canted valves.

The VV 80 is designed to help the operator to achieve greater precision with less effort

- Fine feed
- Rapid feed



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- Infinitely variable spindle speed

The combination of the fine feed control and the depth indicator gives repeatable precise depth on all counterboring.

FAST AND EASY TO OPERATE

The boring head is clamped until released by a hydraulic system, controlled by a foot pedal
A selector gives to the operator the possibility to choose different clamping solutions.

The ease of movement and tilt of the airfloat boring head give to the operator "pin point" control for precision centering.

- The workpiece support has
- Fine radial adjustment
 - Quick clamping levers
- locking at the desired angle.

The boring head tilt moves left-right and in-out.
The cylinder head roll-over fixture rotates 360 degrees; moves left-right and in-out



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VV80



EQUIPMENTS >>> AZ840 AZ809 AZ736 AZ581 AZ588 AZ592 AZ810 AZ825 AZ826 AZ828 AZ830 AZ841 AZ951



STANDARD
Electric system single phase
Low voltage electric control 24 V.
Centesimal leveling device
Taper Adaptor for toolholder head
Universal rollover fixture complete with clamping devices
Service tools
Operating manual

RECOMMENDED
AZ840 Head holder frame kit
AZ587 Equipment for boring from 16 to 68 mm system Z SRD
AZ736 Micrometric tool setting device type Z SRD

OPTIONAL
AZ581 Equipment for boring and recessing valve seat with range from 20 to 90mm diam. complete with 18 tapered pilots
AZ588 Equipment for boring from 68 to 80 mm. system ZSRD (utilizable only with AZ 587)
AZ592 Equipment for boring from 80 to 90 mm. system Z SRD (utilizable only with AZ 587) € 820,00
No. 1 Ball head for pilots 11 mm. dia.
No. 2 Tip holders for tips
AZ810 Vacuumeter test instrument
AZ825 Adaptor for alignment of engine heads with canted valves for pilots 8 mm diameter
AZ826 Adaptor for alignment of engine heads with canted valves for pilots 11 mm. dia.
AZ828 Taper adaptor ISO30 CM3
AZ830 Grinder for tools complete with sharpening support
AZ841 Head tilt adjustment system VV80
AZ951 Set of shaped tools (15°, 25°, 60°, 75°, 4,2x45°, 3x45°) (utilizable only with AZ 581)
AZ809 Electronic level

BALL DRIVE SYSTEM
is the most accurate system for machining valve seats

TOOLHOLDERS
are shaped to avoid vibrations and with correct rigidity for any diameter

3 ANGLE BITS
ensure exact angles and precision seat width.
Many different seat profile bits are available

PILOTS
are available in different sizes

- 8 mm dia
- 11 mm dia
- 3/8" (9,52mm) dia and/or of Carbide

