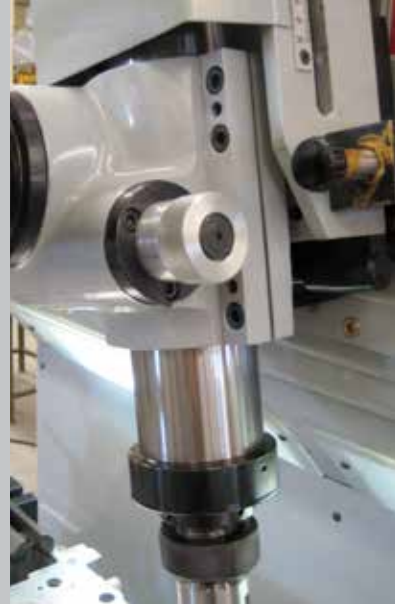




## VV80 - VALVE SEAT REFACING MACHINE

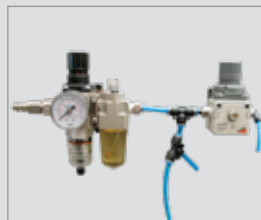


AZ spa MACHINE TOOLS



## STANDARD EQUIPMENT

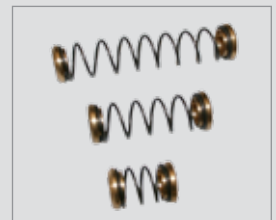
- Pneumatic system for airflot boring head
- Hydraulic system for head clamping
- Low voltage electric control 24 V
- Electric system monophase
- 3 springs with bounce
- Taper Adaptor ISO for toolholder head
- Universal rollover fixture complete with clamping devices
- Head alignment rod
- Service tools
- Operating manual



Pneumatic system



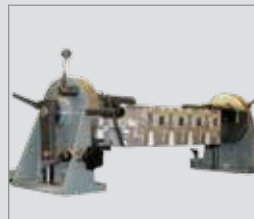
Hydraulic system



Springs



Taper adaptor ISO



Rollover fixture



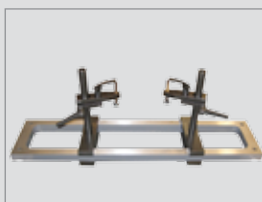
Head alignment rod

## RECOMMENDED EQUIPMENT

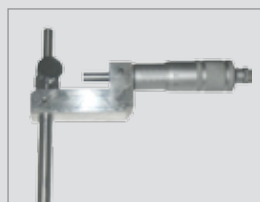
- AZ840 Head holder frame kit
- AZ587 Equipment for boring from 16 to 68 mm system Z SRD

- 3 tip holders
- 14 cutting tips
- 17 solid taper pilots 8 mm
- 1 ball head (AZ585.01)
- 3 springs
- 1 pilot remover
- 1 dial indicator (AZ708)
- 1 kit of service tools (AZ584.17)

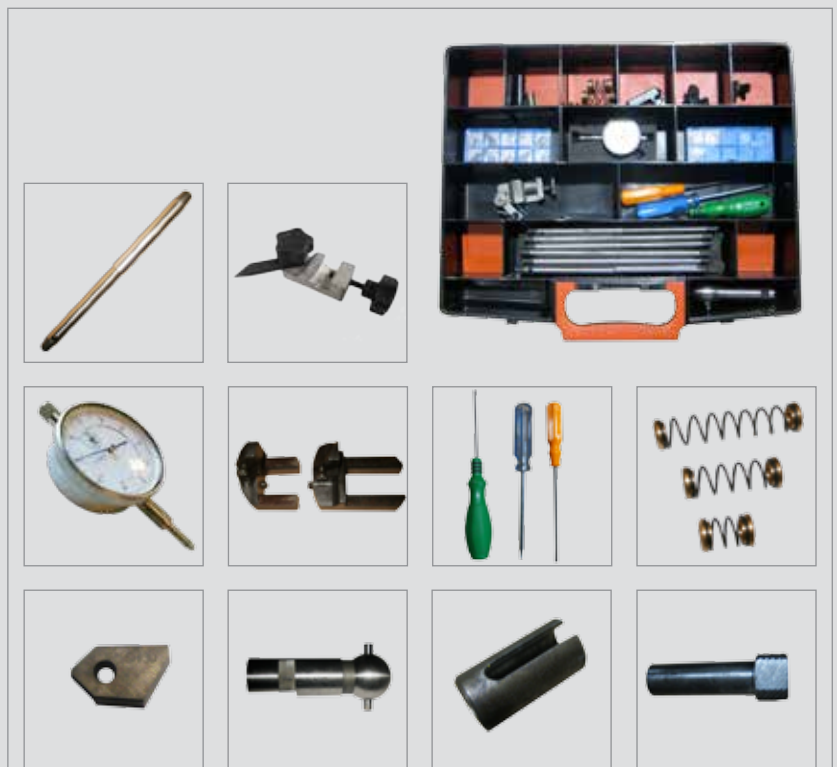
- AZ736 Micrometric tool setting device type Z SRD



Head holder



Micrometric tool setting



AZ587 Equipment for boring

## OPTIONAL EQUIPMENT

**AZ588** Equipment for boring from 68 to 80 mm. system ZSRD (utilizable only with AZ 587):

2 tip holders / 12 solid taper pilots 11 mm / 3 springs /

1 pilot remover

**AZ592** Equipment for boring from 80 to 90 mm. system Z SRD (utilizable only with AZ 587): 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.

**AZ827** Drill chuck with taper adaptor

**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

**AZ517** Spherical boring head without springs diam 8 mm

**AZ517.01** Spherical boring head without springs diam 9,5 mm



AZ588



AZ592



AZ810



AZ825



AZ826



AZ828



AZ830



AZ951



AZ809



AZ841



AZ827

● CONTROL PANEL 24 VOLTS

● MICROMETRIC FEED

● AZ587 EQUIPMENT FOR BORING

● VACUUMETER

● ADJUSTABLE SUPPORT FOR HEADS

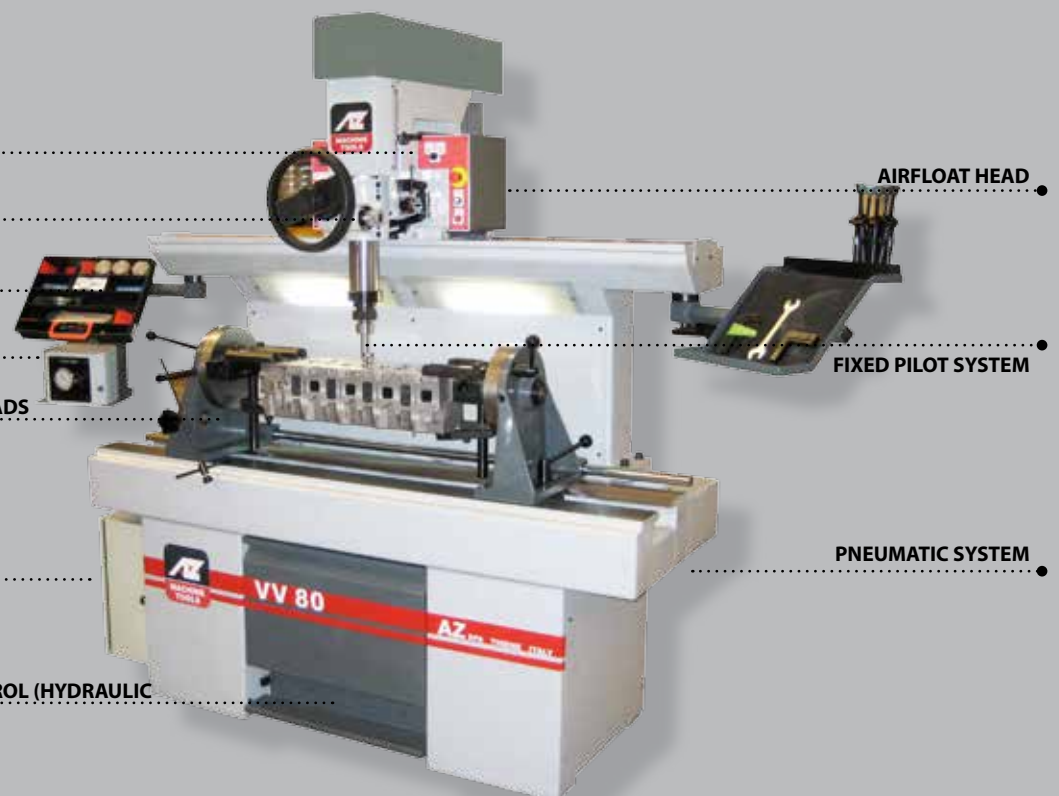
● ELECTRIC BOX

● FOOT SWITCH FOR HEAD CONTROL (HYDRAULIC SYSTEM AND AIR CUSHION)

● AIRFLOAT HEAD

● FIXED PILOT SYSTEM

● PNEUMATIC SYSTEM



## WV // Vertical Boring and Milling machine

### WORKING CAPACITY

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

### GEOMETRIC FEATURES

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

### SPEED

Spindle rotation speed	RPM	0-800 RPM
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### MOTOR RATING

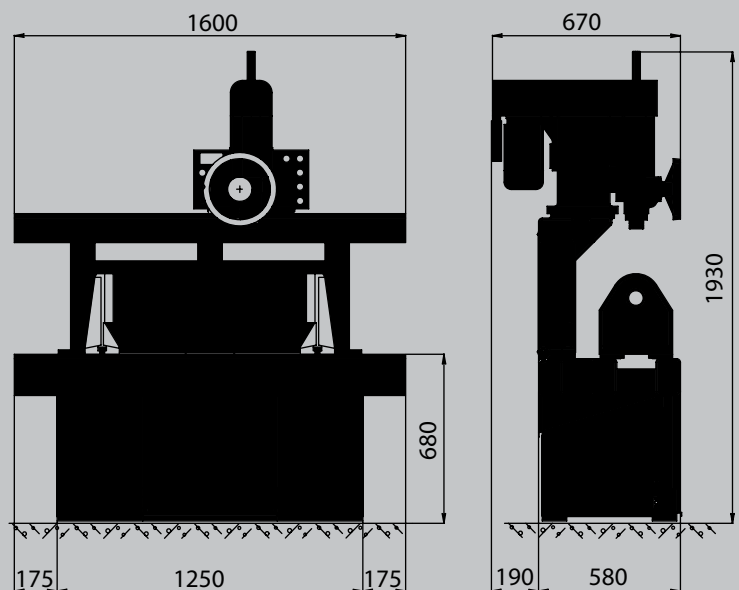
Main motor power with inverter	KW	1.5 kw
Hydraulic plant motor power	KW	0,3 kw

### WITHOUT PACKING

Dimensions	mm	<b>1650x880x1820</b>
Weight	kg	<b>720</b>

### WITH PACKING

Dimensions	mm	<b>1820x1200x2400</b>
Weight	kg	<b>1100</b>



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