



## VG28 - VALVE GRINDING MACHINE



AZ spa MACHINE TOOLS



**VG 28**



The VG28 valve refacing machine has been designed to meet all needs of refacing valve head and reconditioning valve stem.

By means of a special device it is possible to reface stems up to 25 mm diam. The collets chuck continuous revolutions variation and the rapid clamping device enable a quick and precise operating execution. The swivel plate ensures a high valve facing precision. The coolant system sprays the grinding fluid on both grinding wheels.



AZ spa | MACHINE TOOLS



Variable speed



Collet



Cup grinding wheel



Device for rocker arm grinding

## VG28

### STANDARD EQUIPMENT

- Variable speed of valve spindle
- Electric system with switch conforming to CE standards
- Pneumatic valve blocking system
- Coolant system
- Device for rocker arm grinding
- Support for diamond holder (diamond excluded)
- Collet from 6 to 9 mm. dia.
- Collet from 9 to 13,5 mm. dia.
- Collet from 13,5 to 19 mm.
- Grinding wheel 180x32 mm. dia. 12 mm. thickness
- Cup grinding wheel 150x32 mm. dia. 30 mm. thickness
- N. 1 liter of coolant additive (AZ391)
- Service tools
- Operating manual

### OPTIONAL EQUIPMENT

- AZ866 Steel sheet base
- AZ487 Micrometric diamond dresser
- AZ869 Device for grinding valves with stem from 19 to 25 mm. dia.
- AZ645 Collet for short valves 4 mm. dia
- AZ646 Collet for short valves 5,5 mm. dia.
- AZ650 Collet for short valve 5 mm
- AZ651 Collet for short valve 6 mm
- AZ652 Collet for short valve 7 mm
- AZ653 Collet for short valve 8 mm
- AZ654 Collet for short valve 9 mm
- AZ655 Collet for short valve 10 mm
- AZ656 Collet for short valve 11 mm
- AZ657 Collet for short valve 12 mm
- AZ411 Diamond and rest 0,40 kt
- AZ392 5 liters of special cutting oil





Device for grinding valve



Diamond dresser



Collet for short valves from 4 to 9 mm



Collet for short valves from 9 to 12 mm



Diamond and rest

### WORKING CAPACITY

Min. and max. valve stem diameter admitted  
**6-19 mm (25 mm with AZ869)**

Max. valve head dia. admitted / **150 mm**

### GEOMETRIC FEATURES

Grinding angle / **0°-75°**

Grinding wheel diameter / **180 mm**

Diameter of the straight-cup grinding wheel / **150 mm**

### SPEEDS AND POWERS

Grinding wheel rotation speed / **2800 RPM**

Spindle motor speed / **0-120 RPM (variable)**

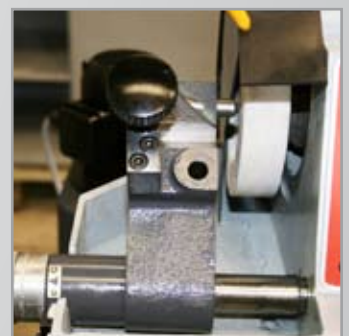
Grinding wheel motor power / **0,55 KW**

Spindle motor power / **0,12 KW**

Pump power / **0,6 KW**

**DIMENSIONS** 1200 x 850 x 710 mm

**DIMENSIONS WITH BASE** 1200 x 850 x 1490 mm



## VG28 // Valve Grinding machine



AZ spa MACHINE TOOLS



**AZ spa**  
Viale dell'Electronica, 20 36016 THIENE (VI) ITALY  
T +39 (0) 445575543 F +39 (0) 445575756  
E info@azspa.it website [www.azspa.it](http://www.azspa.it)



AZ spa | Viale dell'Electronica, 20 36016 THIENE (VI) ITALY | tel. +39 0445 575543 | fax +39 0445 575756 | email: info@azspa.it

[WWW.AZSPA.IT](http://WWW.AZSPA.IT)



Subject to change, as of MAY 2012