





CONTROL PANEL

All the electonic functions of the VB control panel at the operator fingertips. The control panel is placed on a pivoted arm, fixed on the basement of the machine, as per latest safety norms.

The three led readouts indicate the variation of:

- spindle RPM
- powerhead downfeed rate
- table traverse rate

SPINDLE STORING & LOADING FIXTURE

The AZ801 fixture allows the operator to store the spindles when not in use, and attach them to the power head without removing the workpiece.

Easy and fast. Minimal manual effort involved.

Change from boring to milling and back on set-up only.





ADVANTAGES OF CBN MILLING

When required to remove a specific amount of material from a workpiece, CBN milling is much more precise and it is extremely fast and accurate.

For example, you can mill at 500/600 mm/ min. feed speed, or remove up to 1 mm with one pass.

CBN TOOLBIT

The toolbit is a circular solid CBN structure having multiple cutting angle. It has excellent wear characteristics with high thermal and mechanical shock

The bit is recommended for high speed machining on non-ferrous and ferrous materials up to 50-60 Rockwell.



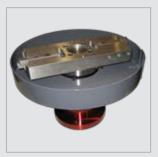






STANDARD EQUIPMENT

Machine with surfacing equipment including variable speed table trasverse
CBN milling head (diam. 400mm)
Electric system conforming to CE standards
Safety-guard conforming to CE standards
Fixture for storing and loading of spindles and milling head (AZ801)





CBN milling head

Safety-guard











EQUIPMENTS >>>

AZ544

AZ524

AZ601

AZ601.02

RECOMMENDED EQUIPMENT

AZ503 Equipment for boring from 80 to 200 mm dia. AZ504 Equipment for boring from 125 to 320 mm dia. AZ524 Boring head from 320 to 400 mm dia. (for AZ 504) AZ508 Equipment for boring from 300 to 500 mm dia.













Device for tool positioning and quick return of boring head at end of cut Tools grinder complete with sharpening supports
Parallel supports (2 pairs)
30° Brased tool for cast iron
Edge clamp assembly (4 pieces)
Tools measuring device with instrument
Service tools



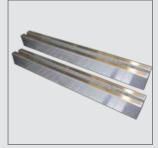
Edge clamp assembly



Operating manual







AZ801 Tools grinder

Parallel supports

Parallel supports











AZ702 AZ703-4-5 AZ609 AZ712 AZ505

OPTIONAL EQUIPMENT

AZ501 Equipment for boring from 30 to 52 mm dia.

AZ502 Equipment for boring from 52 to 85 mm dia.

AZ544 Boring head from 80 to 125mm. diameter for AZ502

AZ505 Radial head for chamfering from 60 to 320mm. dia.

AZ601 Universal V-engine fixture with 45° reference square

AZ601.02 Reference square from 30° to 60° per AZ 601

AZ702 Cylinder block quick clamp fixture, heavy duty

AZ703 Inner gauge capacity from 30 to 100 mm. with centesimal dial gauge

AZ704 Inner gauge capacity from 50 to 178 mm. with centesimal dial gauge

AZ705 Inner gauge capacity from 100 to 300 mm with centesimal dial gauge

AZ609 Universal support for V engines

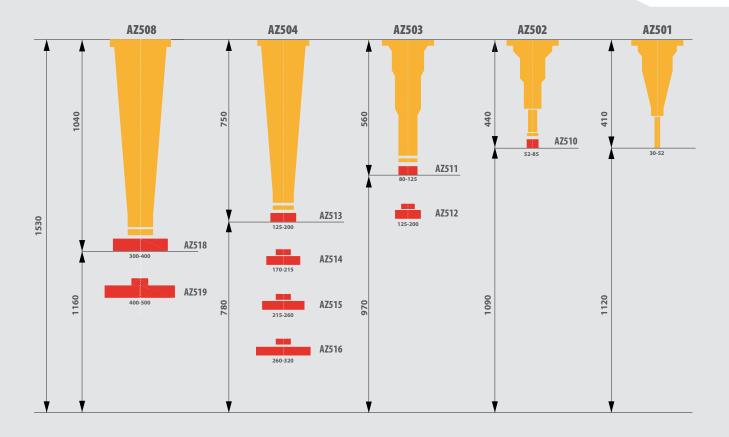
AZ712 Device for depth measuring



Tools measuring device



30° Brased tool for cast iron



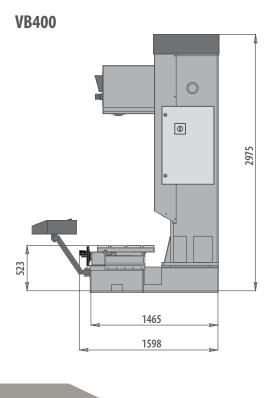
VB400M VB500M

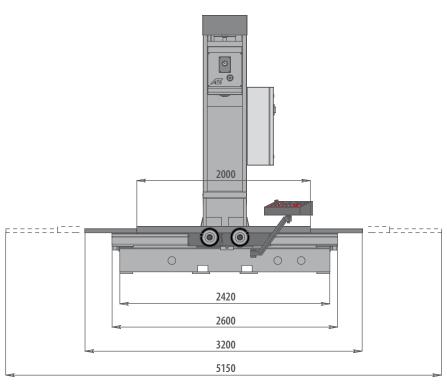
EQUIPMENT FOR BORING

AZ504 Equipment for boring from 125 to 320 mm diameter AZ503 Equipment for boring from 80 to 200 mm diameter AZ501 Equipment for boring from 30 to 52 mm diameter

AZ502 Equipment for boring from 52 to 85 mm diameter
AZ508 Equipment for boring from 300 to 500 mm diameter

DIMENSIONS & EQUIPMENT FOR BORING >>>





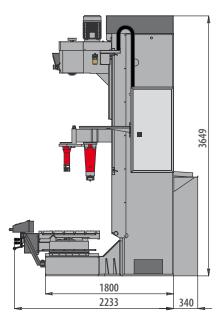
VB // Vertical Boring and Milling machines

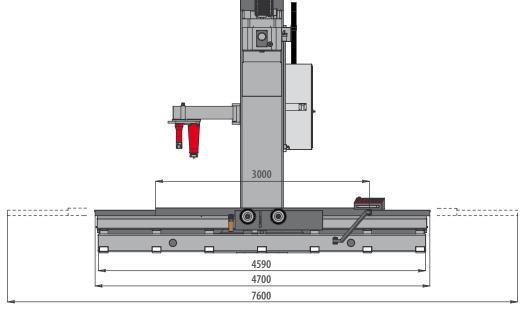


	VB400M	VB500M
WORKING CAPACITY		
Boring range	30-400 mm	30-500 mm
Max boring height	970 mm	1450 mm
Max milling width	400 mm	500 mm
Max milling length	1750 mm	2700 mm
GEOMETRIC FEATURES		
Max vertical travel of the head	970 mm	1450 mm
Distance from spindle center to column	420 mm	550 mm
Table surface	2000x650 mm	3000x850 mm
Max longitudinal travel of table	1950 mm	2900 mm
Max traverse travel of table	175 mm	200 mm
Max distance between head and table	1530 mm	2160 mm
SPEED		
Spindle rotation	60-600 rpm	40-400 rpm
Head movement	0-100 mm/min	0-100 mm/min
Table movement	0-200 mm/min	0-200 mm/min
MOTOR POWERS		
Spindle rotation	4 KW	5,5 KW
Head movement (working and rapid feed)	3 KW	3 KW
Table movement	3 KW	3 KW

SPECIFICATIONS >>>

VB500





VB - VERTICAL BORING AND MILLING MACHINES



WWW.AZSPA.IT

AZ spa | MACHINE TOOLS



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