



## CH - CYLINDER HONING MACHINES

AZ spa MACHINE TOOLS

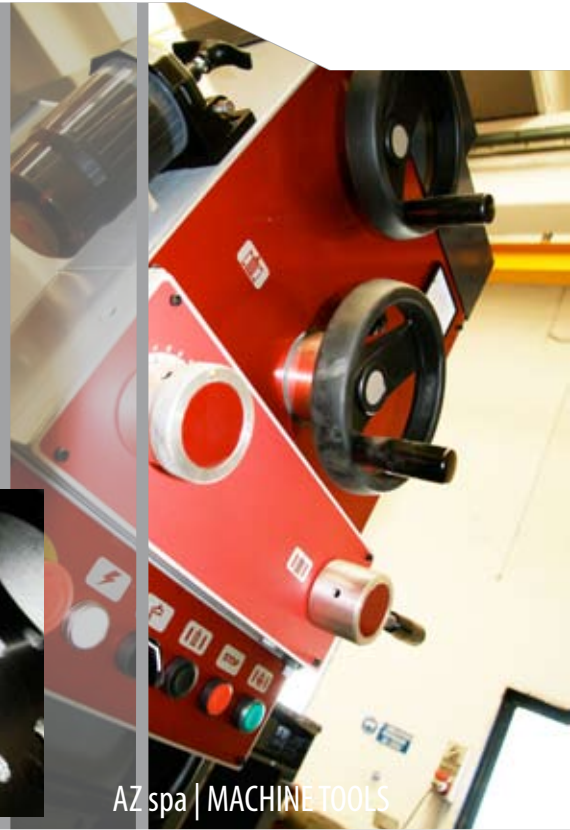
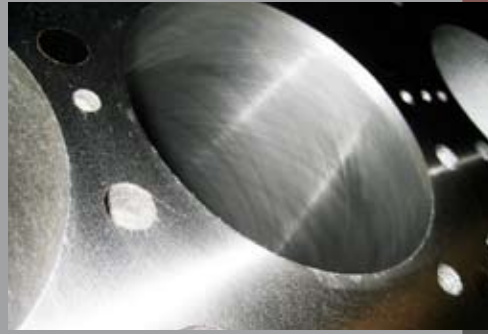
**CH150**  
**CH200**  
**CH300**





## CH150-200-300

Setup fixtures for blocks with height and inclination adjustment to allow an easy and quick positioning of V" engine blocks.  
 Alternative synchronized movement stopping with rotary motion avoiding damage on cross finishing.  
 Universal block lifting electrical device.  
 Longitudinal head movement to assure clamping of engine block without any positioning.  
 Quick clamping to allow a simple and efficient fastening of the engine block.



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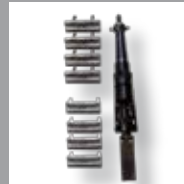
CH150  
 CH200  
 CH300



AZ571



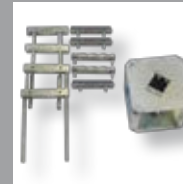
AZ572



AZ573S



AZ574



AZ575



AZ576

EQUIPMENTS >>>



### CH150

#### STANDARD

Oil-hydraulic system  
 Pneumatic system for head displacement over air cushion  
 Coolant system  
 Device for expansion and of honing stones during work phase  
 Fastening plates (4 pieces)  
 Parallel supports (2 pairs 300x570 and 120x570)  
 Low voltage electric controls ( 24 V)  
 Service tools  
 Operating manual

#### RECOMMENDED

AZ573S Equipment for honing from 44 to 68 mm. diameter

AZ574 Equipment for honing from 63,5 to 177 mm

#### OPTIONAL

Electrical panel for CH150 conforming CEI UNI 60204  
 AZ703 Inner gauge capacity from 30 to 100mm. with centesimal dial gauge  
 AZ704 Inner gauge capacity from 50 to 178mm. with centesimal dial gauge  
 AZ705 Inner gauge capacity from 100 to 300 mm with centesimal dial gauge  
 AZ571 Equipment for honing from 25 to 38 mm dia.  
 AZ572 Equipment for honing from 38 to 56 mm dia.

### CH200-300

#### STANDARD

Universal clamping device for blocks  
 Hydraulic system  
 Coolant system  
 Device for expansion and of honing stones during work phase  
 Electrical lifting device for rollover fixture  
 N. 2 Set of supports  
 Rollover fixture with No. 1 set of support  
 Low voltage electric controls ( 24 V)  
 Cylinder block quick clamps  
 Service tools  
 Operating manual

#### RECOMMENDED

AZ573S Equipment for honing from 44 to 68 mm. diameter

AZ574 Equipment for honing from 63,5 to 177 mm

AZ576 Equipment for honing from 63,5 to 228mm. diameter

#### OPTIONAL

AZ703 Inner gauge capacity from 30 to 100mm. with centesimal dial gauge  
 AZ704 Inner gauge capacity from 50 to 178mm. with centesimal dial gauge  
 AZ705 Inner gauge capacity from 100 to 300 mm with centesimal dial gauge  
 AZ571 Equipment for honing from 25 to 38 mm dia.  
 AZ572 Equipment for honing from 38 to 56 mm dia.  
 AZ575 Stones and support from 220 to 304 mm for AZ576  
 AZ782 Automatic expansion feed with a number of stroke pre-setting, display of the taper of cylinder automatic shut off to the target dimension





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AZ703

AZ704

AZ705

AZ782



CH 200

300

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# CH // Cylinder Honing machine

	CH150	CH200	CH300
<b>WORKING CAPACITY</b>			
Honing capacity	25-180 mm	25-250 mm	25-300 mm
Max. honing depth	350 mm	350 mm	550 mm
stroke of the honer	300 mm	300 mm	500 mm
Max. length admitted for the block	1420 mm	1420 mm	1600 mm
Max workpiece height	600 mm	600 mm	700 mm
<b>SPEEDS AND FEEDS</b>			
Spindle rotation speed	120-320 mm	90-300 RPM	90-300 RPM
Spindle reciprocating speed (steplessly variable)	0-20 mm/min	0-20 mm/min	0-20 mm/min
Max table inclination		+/- 45°	+/- 45°
Max head longitudinal travel	1100 mm	1100 mm	1250 mm
Max head trasversal travel	105 mm	105 mm	105 mm
<b>MOTOR RATINGS</b>			
Spindle rotation motor	1,1 KW	1,1 KW	1,1 KW
Hydraulic system motor	1,1 KW	1,1 KW	1,1 KW
Standard cooling system motor	0,16 KW	0,16 KW	0,16 KW
<b>TANKS CAPACITY</b>			
Coolant tank	75 l	120 l	160 l
Hydraulic system tank	50 l	50 l	50 l

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## SPECIFICATIONS >>>



	CH150	CH200	CH300
Dimensions without packing	1600x1200x2000 mm	1900x1400x2400 mm	2250x1500x2500 mm
Weight without packing	1100 kg	1300 kg	1400 kg

## DIMENSIONS AND WEIGHTS >>>



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Subject to change, as of DECEMBER 2010 - R1