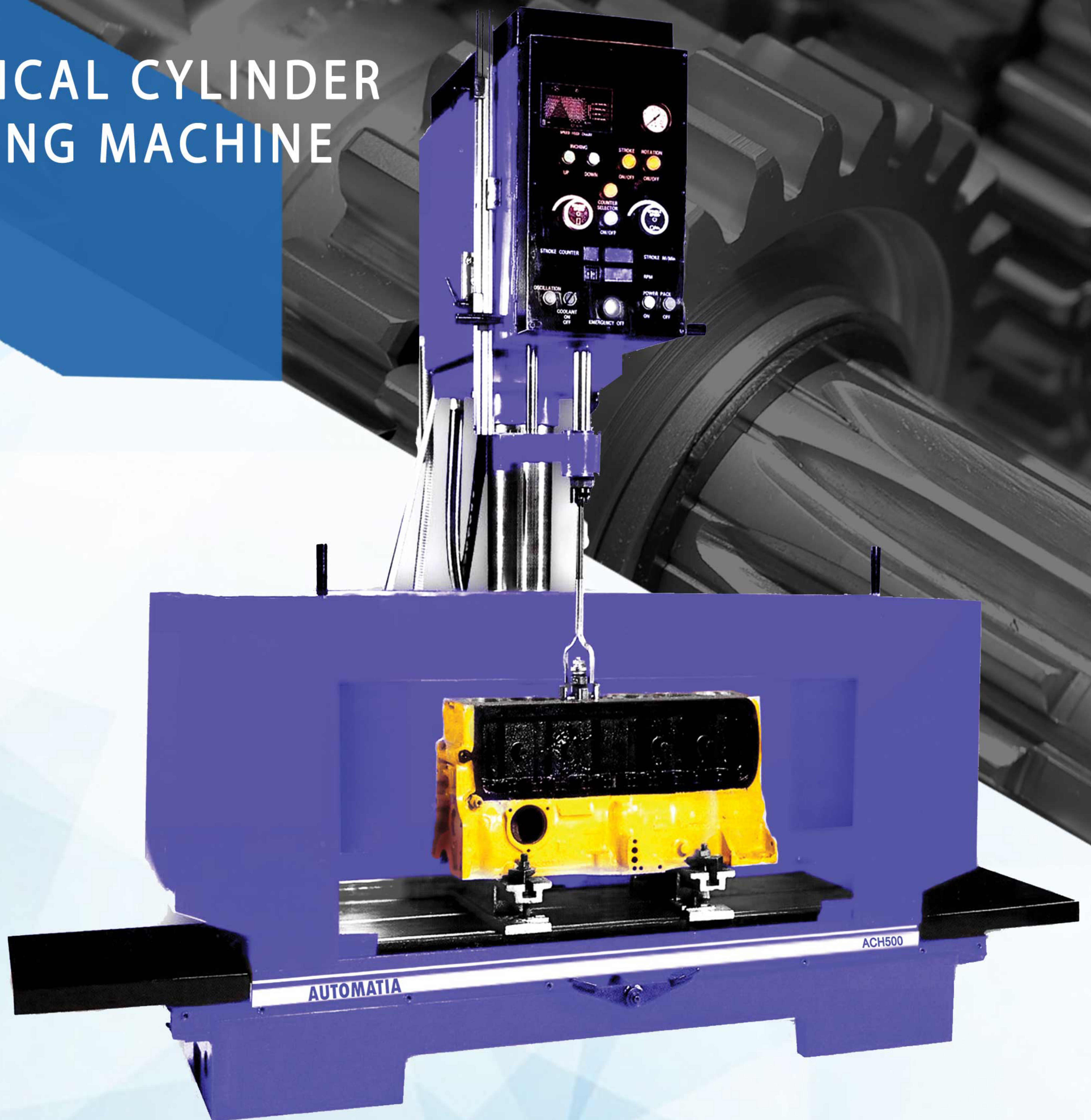




VERTICAL CYLINDER HONING MACHINE



AUTOMATIA MACHINES PVT LTD

36/2863D, Thamarassery Building, Edapally North P.O, Thattampady, Cochin 682024, Kerala, India

TEL: +91 94464 28063, +91 90742 83092

email: marketing@automatia.in

www.automatia.in

VERTICAL CYLINDER HONING MACHINE

PRODUCT DESCRIPTION

Hydraulic Cylinder Honing Machine Model ACH 500 and ACH 350 is a high precision versatile honing machine suitable for Honing of internal combustion engines and various other industrial precision honing applications. The infinitely variable speeds for rotational and reciprocal motions enable one to get the required cross hatch pattern specified by the original equipment manufacturers.

SALIENT FEATURES

- Quick positioning of the spindle through traverse and rotary movement of the head stock and also the linear movement of the table running on ball bearings
- Inching button for the quick positioning of the honing head at any specific depth
- Spindle stops only at the uppermost position when switched off
- Direct reading Digital Display for Spindle RPM & Stroke Speed to ensure quick selection of cutting speed depending on material to achieve desired cross hatch pattern.
- Synchronized stopping of reciprocating and rotating movements to avoid damage to Cross Hatch Finish.
- Option for Automatic Cut-Off on completion of pre-selected strokes.
- Oscillation button for honing at any specific point on the bore for quick correction of barrel and bell mouth.
- Longitudinal movement of table combined with traverse movement of the head permits quick clamping of engine blocks without need for precise positioning.

TECHNICAL SPECIFICATIONS

DESCRIPTION	ACH 500	ACH 350
Max. Honing capacity dia	260mm	150mm
Min. Honing capacity	38mm	38mm
Max honing stroke	500mm	300mm
Min honing stroke	50mm	50mm
Max block length	1500mm	1000mm
Max Block Width	550 mm	550 mm
Spindle Speed (Variable)	10 - 300 rpm	10 - 300 rpm
Reciprocal Speed	1 - 20 m/min	1 - 20 m/min
Honing Table Traverse	1300 mm	1000 mm
Honing Head Traverse, Crosswise	50mm	50mm
Max Distance Of Spindle Nose To Table Top	1050 mm	750mm
Distance From Spindle Centre To Column Front	450 mm max	300 mm max
Table Size	1500 x 500 mm	1000 x 300 mm
Motor For Rotation	2 hp AC drive	2 hp AC drive
Motor For Hydraulic Stroke	1.5 hp	1.5 hp
Motor For Coolant System	0.25 hp	0.25 hp
Net Weight (Approx)	1200 kg	1200 kg
Shipping Weight (Approx)	1500 kg	1500 kg
Shipping Dimensions (LxWxH)	2450x1550x2225 mm 96.5"x61"x88.75" inches	1800x1800x2000 mm
Shipping volume	8.5 m3	8.5 m3

STANDARD ACCESSORIES

Honing Equipment	63 – 200 mm
Motor for Hydraulic drive	1400 rpm, 2 & 3 HP
Coolant pump motor	0.15 HP, 2800 rpm
Setting up blocks	100 mm high with bolts – set of 2
Complete electric and electronic equipment	Splash guard

STANDARD ACCESSORIES

Honing Equipment for range	36 – 75 mm, 200 – 260 mm
Set of Quick acting clamps	
Roll over fixture for V blocks	
Fixed angle fixture for 60° & 90° V blocks	
Shipping Dimensions (LxWxH)	2300x1550x mm approx