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An ISO 9001:2015 Certified

ARI-HONE HT VERTICAL HONING MACHINE



Gala No. 1, Sanskruti,
Sagar Signature Complex,
Waliv Phata, Vasai (East),
Palghar Dist. - 401208,
Maharashtra, India.

+91 72190 79111
+91 82081 66156
sales@arihanthoning.com
www.arihanthoning.com

CIN No: U74120MH2014PTC255058



ARIHANT HONING INDIA PVT LTD

— AN ISO 9000 -2015 COMPANY —

HT VERTICAL MACHINE POWERFUL, RUGGED AND PRECISE



Designed for low- to mid-volume production, the Ari-Hone HT is the first competitively priced small to medium part honing machine on the market. With a proven ball screw servo stroking system, the HT produces precise bore geometries on compressor blocks, oil field components, multi-bore gas/diesel engine blocks and other similar applications. Ideal for both job shops and repair facilities, the HT is available with a variable-speed spindle motor, powerful enough to drive two-stage, metal-bond, diamond abrasives for short cycle times with high accuracy and minimal labor.

The HT drives diamond abrasives in the production or job shop.

Standard & Optional Features

Variable speed 15-600 rpm, spindle motor is powerful enough to drive two-stage, metal-bond, diamond abrasives for short cycle times with high accuracy and minimal labor and has more torque than previous machines.

The front loading design and weight capacity of up to (680 kg) combine in versatility in honing a wide range of parts.

PLC-controlled with a large 8 in. color touch screen that is rugged and eliminates cumbersome buttons that collect oil, dirt and grime. The swiveling operator panel can be adjusted for viewing from a variety of positions.

Servo rotary tool feed system can be used with two-stage hone heads to complete roughing and finishing without stone changes for faster processing times. Rough to finish changeover is four times faster than previous models.

Proven servo ball screw stroking system allows for increased flexibility and performance.

Heavy-duty welded base for durability.

Easy to remove pans for cleaning and longer filter life.

The HT Vertical Honing Machine puts you in complete control for increased precision, consistency, productivity and quality

The HT is the latest industry-leading Arihant vertical honing system. It is built to make your vertical honing faster, easier, more precise, more productive and more profitable.

- Designed for bores with an ID of 20-100mm
- PLC controlled with a large color touch screen for ease of use and setup.
- Vertical stroking mechanism improves geometry over previous generation, similarly priced machines.

Specifications:

Spindle Speed:

15 - 800 RPM

Spindle Power:

5/3/2 hp options

Stroker:

servo

Expansion:

servo

COMPONENT:

min ϕ - 20mm
max ϕ - 100mm
min length - 50mm
max length - 500mm

Machine Weight:

Dry Weight: 1329 kg (2930 lbs.)
Shipping Weight: 1823 kg. (4020 lbs)

Honing Fluid/Filter System:

Honing Oil Reservoir: 200-liter capacity with standard canister filters.

Voltages Available:

Electrical System:
400 VAC 50 Hz 3 phase: 25.1 amps

* Diameter range, length range and workpiece weight are contingent on workpiece and application.

The photo given in this brochure is indicative. can vary by model, and request of customer

Easy and economical to run

The Ari-Hone HT Vertical Honing Machine is simple to operate . . . even an inexperienced operator can learn to run it in a few hours because of the intuitive, easy-to-use screens and machine recommended settings. Setup is quick and easy using the menu-driven PLC control. Stock removal is preset and the machine shuts off automatically when the honing cycle is completed. Stroke and spindle operation are computer controlled for consistent geometry and finish from bore to bore. No continual adjusting to maintain accuracy. All controls are easy to reach, out front, and at eye level. And, you can change stones in seconds.



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