

ABHI FINE PRODUCTS

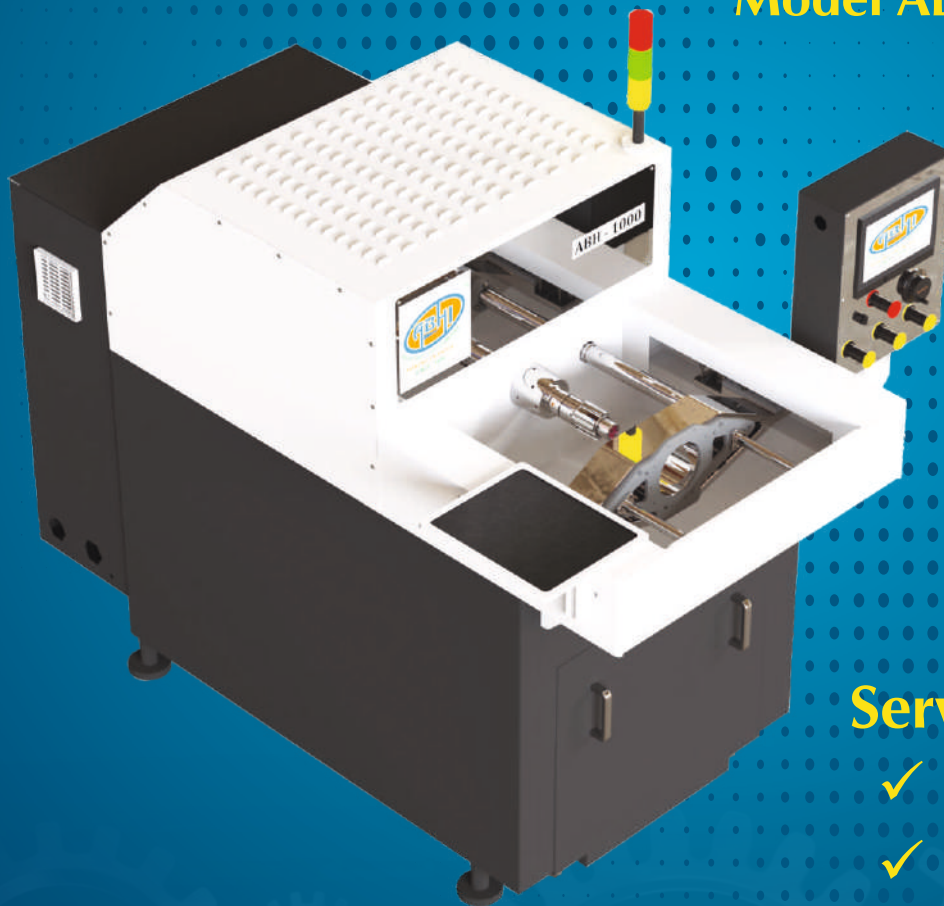
A Personal Touch To Fine Finish



MAKING IN INDIA
SINCE 1996

POWER STROKED HORIZONTAL HONING MACHINE

Model ABH-1000



Servo Controlled
✓ Stroke
✓ Spindle
✓ Tool Expansion

**A Complete Tooling Solutions for
All Your Honing Requirements Under One Roof.**

About Us

ABHI FINE PRODUCTS, AN ISO 9001:2015 company is in the business of Design, Manufacturer, Supply & Export of Honing Products for the past 24 years.

Located in the industrial hub of South India. Abhi Fine Products has the unique advantage of blending technical knowledge, commercial experience, colleague networking and strong vendor base to provide innovative solutions to our customers.

We manufacture Honing Machines, Honing Tools, Customized Fixtures, Floating Holders all at in-house.

Specifications

- ▲ Honing Diameter Range - 3mm to 60mm
- ▲ Spindle Speed - 10 RPM to 2000 RPM
- ▲ Spindle Torque - 9.55Nm
- ▲ Stroker Torque - 3.2Nm
- ▲ Stroke Rate - 60 to 500 Strokes/Min
(Based on the Length of the component)
- ▲ Stroke Length - 6mm to 160mm
- ▲ Tool Expansion Torque - 1.2Nm
- ▲ Coolant Pump - 0.5HP (With 10LPM)
- ▲ Coolant Capacity - 80 Litres
- ▲ A three level protection is provided for restricting the over travel of the stroker.

ABH-1000



It is the Machine designed to eliminate all the manual controls which are considered to be a trend setter in Honing Industry.

Abhi With its over all expertise for more than 24 years has made a revolutionary product of ABH – 1000

The Machine is designed and Engineered to enhance the operator productivity.

These type of Horizontal Honing Machines are suited for quick changeover for medium to High volume of production without any manual controls which is the latest technology.

Controller Features

- ✓ An Advanced Controller is used for its user friendliness and available globally.
- ✓ Large HMI color display
- ✓ User friendly touch screens which can be operated even by an inexperienced operators.
- ✓ A mutipurpose Jog is provided for adjustment of manual stroking and Presetting the Tool.
- ✓ Safe setup switch and safe speed limits ensure operator safely.
- ✓ Convenient cycle start buttons.
- ✓ Other standard control system include infinite setups saving options, Stone wear compensation, two step feed, ability to change speeds in process. System diagnostics, cycle dwell, short stroking, part counter and load meter.
- ✓ USB ports for data backups

It has been designed for easy initial setup, Operator friendly with its assured capability, increased reliability and easy Maintainability.

Features Includes

- The machine is controlled by a PLC with a latest software version.
- All the parameters can be varied by the latest HMI.
- To protect the environment, No need to print the setup sheets instead it is all saved and retrieved through HMI.
- High precision ball screw rod and LM guideways are used.
- The wider stroker has a removable fixture mounting plate for all current standard fixtures for custom fixturing additional blank plates can be ordered.

Standard Features

To achieve the consistent and predictable performance a digital servo, linear hybrid tool feed & cutting pressure is used.

A standard Rear mounted large capacity electrical enclosure is provide with all standard electrical items, Which is available globally.

A generous ergonomic work area.

New, easy to maintain standard cartridge type coolant filtration system with 120L capacity and is equipped with quick disconnect line and a level gage, It removes from the front on easy to roll casters.

Optional Features

- ♦ Automatic tool adjustment arrangements
- ♦ Magnetic separator for coolant filtration unit



OUR BUSINESS ASSOCIATES



The logos mentioned in this catalogue belongs to the respective companies



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