



# The ARI-HONE SS-6X8: Precision Honing Redefined

Arihant has a long-standing reputation as an industry pioneer, delivering comprehensive solutions for precision honing through both conventional and single-pass systems. The debut of the **ARI-HONE SS-6X8** continues this legacy, offering top-tier performance in a cost-effective, tailorable package.



An ISO 9001:2015 Certified



## Efficiency and Control

The **ARI-HONE SS-6X8** is a robust yet space-saving system engineered for exacting control over bore dimensions, geometry, and surface texture. Beyond its precision, the unit is affordable to acquire, user-friendly to run, and straightforward to service.

By integrating a sophisticated spindle architecture with intuitive controls, this machine reaches new heights of accuracy in single-pass honing. The streamlined setup screens and ergonomic operator interface minimize the learning curve for new staff. Furthermore, configurations can be saved and retrieved for future batches, maximizing machine uptime and daily output.

## Unmatched Versatility

When it comes to accuracy, flexibility, and value, the **ARI-HONE SS-6X8** stands out as the ideal selection. **Capacity:** Standard handling for diameters up to 45 mm. **Customization:** For larger specifications, consult with an Arihant Application Engineer. While the SS-6X8 is unrivalled among single-pass machinery, we recognize that not every application is suited for this specific process. Your Arihant Technical Specialist will collaborate with you to identify the optimal methodology for your requirements—a hallmark of the added value provided through our partnership with Sunnen. Whether your project demands a single-pass or a traditional system, our expertise ensures the right fit.



## Key Machine Features

**Safety First:** Fully CE-compliant with stainless steel enclosures; features include door interlocks, a safety PLC, and a secure "safe-limited" setup mode as standard.

**High Performance:** A robust 7 kW spindle motor ensures peak precision.

**Advanced Positioning:** Vertical alignment is achieved swiftly via a servo motor and ball screw feed system.

**Enhanced Productivity:** Rapid column traverse and table indexing speeds accelerate cycle times.

**Stable Foundation:** A heavy-duty steel tooling plate provides a rigid base for part fixturing.

**Superior Rigidity:** The base is constructed from a solid cast polymer composite for maximum stability.

## Software & Operational Advantages

**Intuitive Interface:** A 7-inch colour touchscreen Delta PLC system allows for effortless process management and setup.

**Dynamic Adjustments:** Variable spindle and column speeds provide total flexibility.

**Advanced Cycles:** Easily program specialized operations such as pecking, dwell, or short-stroke cycles.

**Automation Ready:** Features a seamless interface for robotic loading/unloading and pneumatic fixture integration.

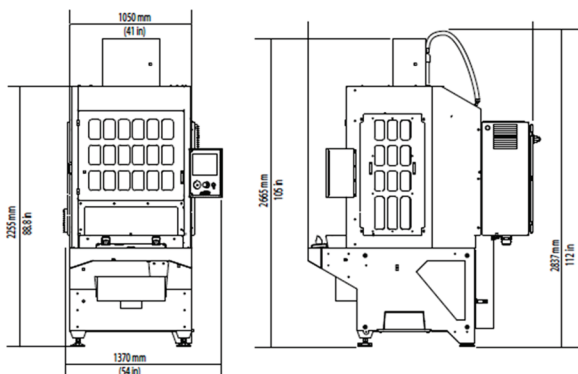
**Memory Storage:** Save numerous configurations to streamline repeat production runs.

**Global Compatibility:** Multiple languages are available for selection on-screen.



## Technical Specifications

FEATURE	SPECIFICATION
Spindle Power	7 kW
Carriage Travel	724 mm
Carriage Speed	Up to 105 mm/sec
Diameter Range	6 to 45 mm
Footprint (W x L)	1370 x 3753 mm
Approx. Weight	3200 kg



## Design Benefits

**Space Efficient:** The vertical, slim design optimizes floor space.

**Full Access:** The work zone is easily reachable from the front and both sides.

**Premium Tooling:** Utilizes Sunnen's diamond-plated Single Pass tools for superior finishing.

**Scalability:** Optional double-index tables and custom automated loading systems are available for high-volume needs.



**ARIHANT HONING  
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