

HZ-12 COMPACT

The HZ-12 Centrifugal Barrel Finishing Machine offers exceptional finishing performance in a compact design. With its small footprint and caster wheels, this machine is easily maneuverable and can fit into the smallest production environments. By harnessing pressure and friction, this high-energy finishing machine efficiently removes excess material, polishes part surfaces, and creates a uniform finish. Unlike hand finishing, the HZ-12 achieves isotropic finishes, ensuring consistent and uniform polishing in all directions.



How it Works

Centrifugal barrel finishing is a type of high-energy finishing that uses centrifugal force to subject parts and media to pressures greater than the force of gravity to efficiently finish parts. Our HZ-Series machines reach upwards of 12Gs. The process involves loading the four locking barrels with a mixture of parts, water, compound, and media. As the machine rotates, the barrels spin around the turret on their own axis, creating a sliding force inside the barrel.

Machine Specifications

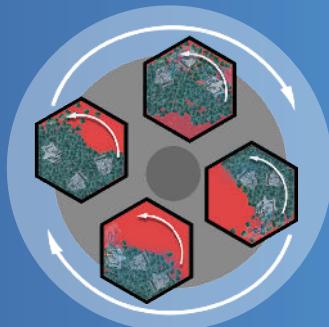
• Main Motor HP	1
• Voltage	110v
• Total Capacity	0.4 Cu. Ft.
• Shipping Weight	700 lbs.
• Dimensions L x W x H	34" x 34" x 55"
• Barrel Length/Diam.	8.375" x 5"
• Max Part Size	8" L x 4.5" D
• Max RPM	250

Features & Benefits

Small Footprint: The HZ-12 occupies minimal space, making it a great fit for Lean manufacturing and small-cell operations. Commonly used in the jewelry industry and dental labs, this machine is ideal in production environments where floor space is limited.

Easy to Maneuver: The large caster wheels on the HZ-12 base make this machine easy to maneuver throughout your facility.

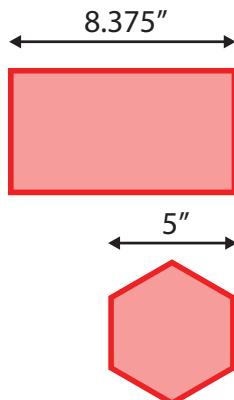
Variable Frequency Control: Tailor the speed of the tumble to your specific requirements, ranging from low speeds for simple polishing, to higher speeds of up to 250 RPM for aggressive deburring and radiusing.



HZ-12 Barrels

The HZ-12 Centrifugal Barrel Finisher comes standard with four removable barrels. The entire barrel is removed from the machine to load and unload media and parts. With each barrel requiring a few handfuls of media to function, these machines are great for micro-sized precision parts. This closed system doesn't require a constant flow of water and compound, so wastewater is minimized.

By purchasing a second set of four barrels, the operator can run one set of barrels while loading and preparing another. This can dramatically reduce machine downtime.



Latched-End Barrel

Free Sample Processing

Mass Finishing offers a free sample processing service to help customers determine the right machine for their operation. In our sample processing lab, we'll create a custom recipe and process tailored to your business and designed to produce the exact results you require.



Scan to Shop Media & Compounds

From media to compounds, MFI offers a wide range of consumable products to support your finishing operations.



Sample Parts

Before



After



Available Accessories

Media and Parts Separating System



PLC Control System



Media Screen Kit



Processing Table with Sludge Tank

