

# HZ-120 WIDE DIAMETER

The HZ-120 is a full-sized industrial finishing machine. Known for its wide diameter barrels, it is ideal for parts that have a larger diameter, or for more efficiently running parts that are over 5" in length. 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-120 achieves isotropic finishes, ensuring consistent and uniform polishing in all directions.



## Machine Specifications

• <b>Main Motor HP</b>	<b>10</b>
• <b>Voltage</b>	<b>230-460v</b>
• <b>Total Capacity</b>	<b>4.7 Cu. Ft.</b>
• <b>Shipping Weight</b>	<b>2900 lbs.</b>
• <b>Dimensions L x W x H</b>	<b>71" x 57" x 106"</b>
• <b>Barrel Dimensions</b>	<b>17" L x 10.25" D</b>
• <b>Max Part Size</b>	<b>16" L x 9.5" D</b>
• <b>Max RPM</b>	<b>150</b>

## Features & Benefits

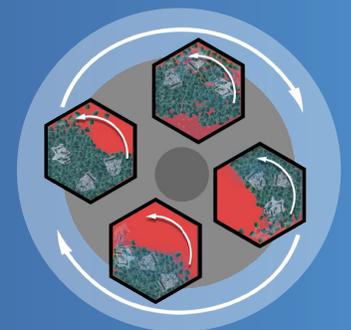
**Deep Barrels** – With a diameter of 10.25 inches, these barrels surpass MFI's smaller HZ-Series models by nearly 4 inches in depth, making them perfect for accommodating wider parts. Each barrel can be divided into 13 individual chambers.

**Full-Size Production** – This model provides more than triple the capacity of MFI's compact centrifugal barrel tumblers like the HZ-12 and HZ-40.

**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 150 RPM for aggressive deburring and radiusing.

## 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.



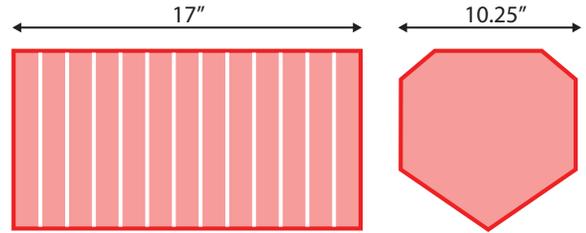
# HZ-120 Barrels

The HZ-120 features four 10.25" diameter barrels. These barrels are more than 4" deeper than the HZ-85, making it ideal for wider parts. They have removable lids that are secured with cam locks for safe and efficient operation. The machine is equipped with an air-driven cover lift that allows for easy removal of the barrel covers.

With 12 divider slots in each barrel, you can create 13 individual chambers, if utilizing MFI's optional barrel dividers. This allows operators to separate parts into several different chambers within each barrel. This is a critical feature when part-on-part impingement needs to be avoided.

### Barrel Features:

- Air-driven barrel cover lift
- 12 divider slots for barrel flexibility
- ¼" thick replaceable polyurethane liner
- Cam locks for secure operation



### 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.



### Get Stocked Up on the Essentials

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



Drain Pan



Processing Table with Sludge Tank

