

HZ-85 HIGH EFFICIENCY

Experience superior efficiency and expanded capacity with the HZ-85 Centrifugal Barrel Finishing Machine. With 33.5" long barrels, it is an ideal choice for those looking for high efficiency or ample space to process their parts. 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-85 achieves isotropic finishes, ensuring consistent and uniform polishing in all directions.



Machine Specifications

• Main Motor HP	7.5
• Voltage	230-460v
• Total Capacity	3 Cu. Ft.
• Shipping Weight	3300 lbs.
• Dimensions L x W x H	77" x 39" x 94"
• Barrel Dimensions	33.5" L x 5.8" D
• Max Part Size	33" L x 5.25" D
• Max RPM	225

Features & Benefits

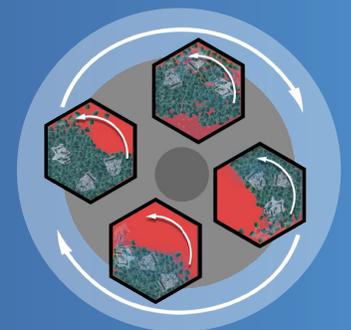
Wide Barrels: At 33.5" wide, these barrels can be divided into 15 individual chambers inside each of the 4 barrels. This helps avoid part-on-part impingement and damage from parts hitting each other.

Full-Size Production: This model provides more than double the capacity and efficiency over MFI's compact centrifugal barrel tumblers like the HZ-12 and HZ-40.

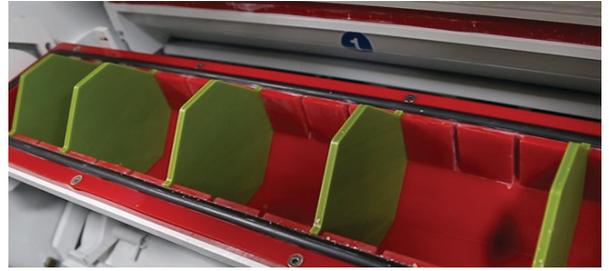
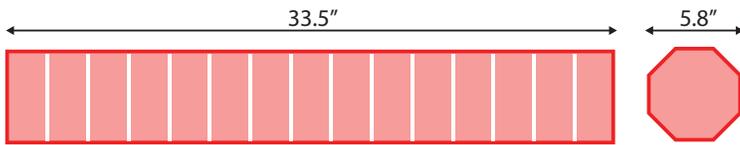
Variable Frequency Control: Tailor the speed of the tumble to your specific requirements, ranging from low speeds for simple polishing to higher speeds of up to 225 RPM for aggressive deburring and radiusing.

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-85 Barrels



The HZ-85 features four 33.5" wide by just under 6" diameter barrels. 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 14 divider slots in each barrel, you can create 15 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
- 14 divider slots for barrel flexibility
- 1/4" 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.



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



Drain Pan



Processing Table with Sludge Tank

