

HZ-220 HIGH CAPACITY

The HZ-220 is a full-sized industrial finishing machine. With a total capacity of 8 cubic feet, it is the second-largest machine in our HZ-Series, making it an ideal choice for those with large parts or high production volumes. 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-220 achieves isotropic finishes, ensuring consistent and uniform polishing in all directions.



Machine Specifications

• Main Motor HP	15
• Voltage	230-460v
• Total Capacity	8 Cu. Ft.
• Shipping Weight	5200 lbs.
• Dimensions L x W x H	86" x 57" x 106"
• Barrel Dimensions	27.375" L x 11" D
• Max Part Size	26.5" L x 10" D
• Max RPM	135

Features & Benefits

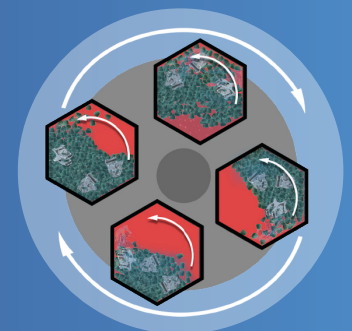
Deep Barrels – At 11" in diameter, these barrels are perfect for accommodating wider parts, each barrel can also be divided into 21 individual chambers.

Full-Size Production – This model provides more than five times the capacity of MFI's compact centrifugal barrel tumblers like the 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 135 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.



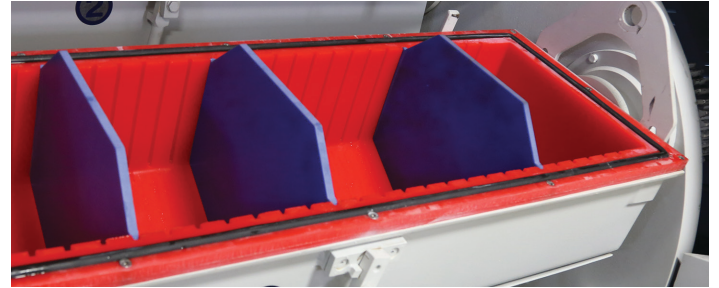
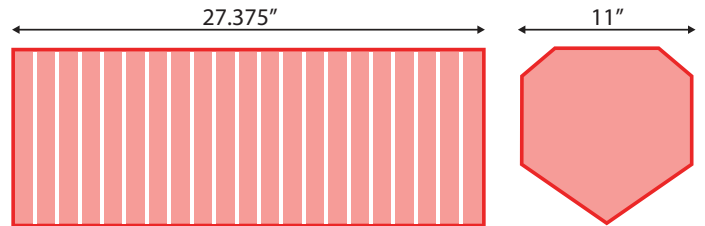
HZ-220 Barrels

The HZ-220 features four 27.375" wide by 11" 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 barrel covers.

With 20 divider slots in each barrel, you can create 21 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
- 20 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

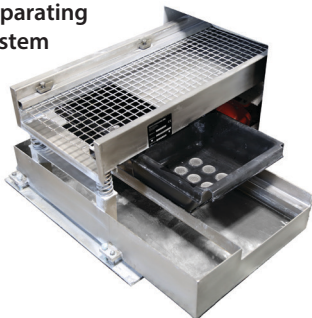


After



Available Accessories

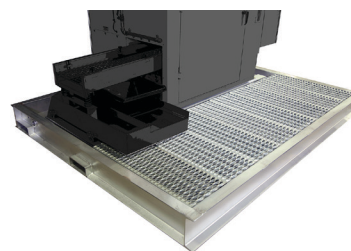
Media and Parts Separating System



PLC Control System



Drain Pan



Processing Table with Sludge Tank

