

HZ-40 COMPACT

The HZ-40 is one of MFI's most popular models and is ideal for precision part manufacturers. Its compact size and multiple barrel styles make it a great fit for nearly any industry. 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-40 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

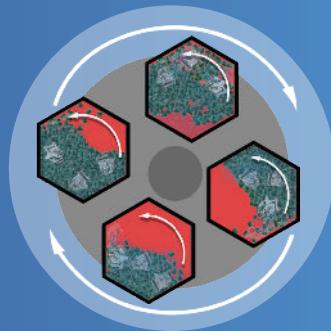
• Main Motor HP	3
• Voltage	230-460v
• Total Capacity	1.4 Cu. Ft.
• Shipping Weight	1280 lbs.
• Dimensions L x W x H	47" x 38" x 49"
• Max Barrel Dims. L x D	12.5" L x 6.75" D
• Max Part Size	11" L x 5.5" D
• Max RPM	225

Features & Benefits

Small Footprint: The HZ-40 occupies minimal space, making it a great fit for Lean manufacturing and small-cell operations. This compact machine can easily fit in some of the smallest locations.

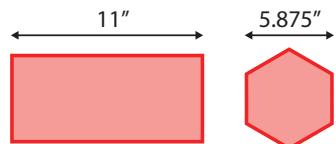
Barrel Versatility – With removable barrels and 4 different barrel options (two-sided, bolted-end, latched-end, and half-latched), this machine is extremely versatile.

Quiet Operation – Much quieter than other finishing methods, the HZ-40 can be installed in places you wouldn't want vibratory machines installed, such as where other machine's tolerances may be affected.



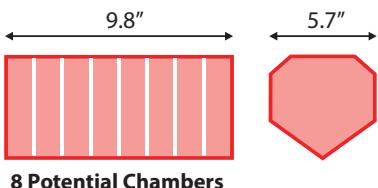
HZ-40 Barrels

The HZ-40 can be outfitted with four styles of removable barrels. By purchasing a second set of barrels, the operator can run one set while loading and preparing another for improved efficiency.



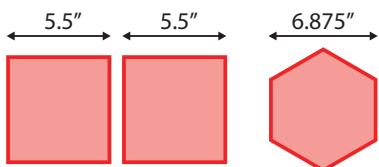
Bolted-End Barrel

Best for high pressure, this barrel design uses heavy-duty hardware designed for rough environments.



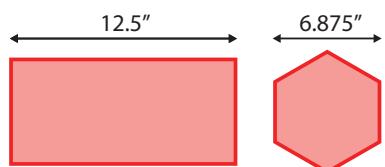
Two-Sided Barrel (Aluminum or Steel)

Features barrel slots for removable dividers that can create 8 individual chambers. It also features heavy-duty cam locks for secure operation. **Dividers sold separately.**



Half-Latched Barrel (Half-Size)

Two half barrels fit per cradle. These barrels are light, easy to get in and out, and feature latches for quick lid removal.



Latched-End Barrel (Full-Size)

This barrel design has the largest capacity of the HZ-40 barrels. It also features snapping latches for quick lid removal.

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



Available Accessories

Media and Parts Separating System



PLC Control System



Barrel Dividers



Processing Table with Sludge Tank

