

DEBURRING & FINISHING

CENTRIFUGAL BARREL FINISHERS

Model: HZ-120



Model: HZ-60



Model: HZ-40

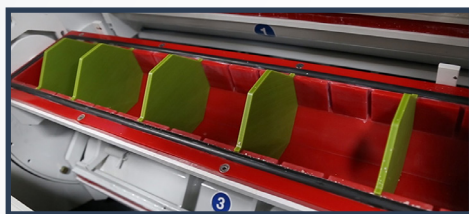


Mass Finishing Inc. (MFI) is the sister company of ALMCO. As such, ALMCO represents the full MFI product line. The HZ High Energy series Centrifugal Barrel Finishing (CBF) systems are fast and compact finishing machines. Often called “tumblers” or harperizers, they are the industry workhorse in metal polishing, deburring, and deflashing parts. From jet engine blades in the aerospace industry to heart valves and medical implants, these tumbling machines are the versatile and money-saving solution for polishing and deburring.

Centrifugal barrel finishing machines operate on the “Ferris Wheel” principle with a one-to-one ratio of barrel rotation to turret rotation. Each of the four barrels is loaded to roughly 50-80% full of media, parts, water, and compound. During operation, rotation of the turret creates a sliding force inside the barrel. This motion causes parts and media to contact each other in random or isotropic directions. The resulting finish is consistent across the entire surface of the part.



Before



Barrel Dividers



After



PLC Controls

Standard Features:

Barrel Dividers

- Keep precision parts separate during the tumbling process to avoid damage.

Cover Lift

- Pneumatic system for easily opening barrels.
- Eliminates heavy lifting of covers.

Media Separator

- Dump full barrels to easily separate media and parts.

Options:

Safety Light Curtains

- Added measure of safety during loading/unloading processes. Disables all machine functions when infrared curtain is broken.

PLC Options

- Store processes for various parts and cycles steps.
- Allows for more automation and machine monitoring. Standard panel features analog buttons.

Specifications

Model	Motor HP	Voltage	Total Cap.	Shipping Weight	Overall Dimensions (In)	Barrel Length/Diam.	Max RPM
HZ-12	1	110v	.4 Cu. Ft	700 lbs.	32 x 31 x 55	8.375 x 5	250
HZ-40	3	230-460v	1.4 Cu. Ft	1280 lbs.	47 x 38 x 49	12.5 x 6.75	225
HZ-60	5	230-460v	2 Cu. Ft	3000 lbs.	68 x 39 x 94	25.75 x 6	225
HZ-85	7.5	230-460v	3 Cu. Ft	3300 lbs.	75 x 39 x 94	33.5 x 6	225
HZ-120	10	230-460v	4.7 Cu. Ft	2900 lbs.	71 x 57 x 75	17.25 x 10.25	150
HZ-160	15	230-460v	7.1 Cu. Ft	3500 lbs.	74 x 57 x 75	20.75 x 12	150
HZ-220	15	230-460v	8 Cu. Ft	5200 lbs.	81 x 57 x 75	27.5 x 12	135
HZ-330	30	230-460v	12.8 Cu. Ft	6800 lbs.	90 x 56 x 80	42 x 12	115