

# Series HZ

# Centrifugal Barrel Finishing Machines



model HZ-120  
shown with optional media separator

The Industry  
Workhorse  
in High-Energy  
Finishing &  
Deburring



High Speed and Versatile For  
Any Finishing Application

Compact models  
HZ-12 & HZ-40  
for smaller finishing requirements



## Centrifugal Barrel Finishing Machines

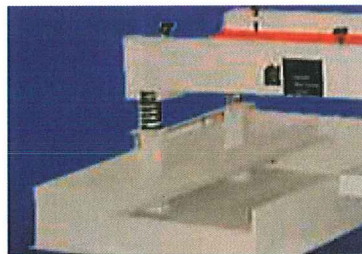
## SPECIFICATIONS



	Total Volume (cu. ft.)	Barrel Dimensions L x H (inches)	Overall Dimensions W x L x H (inches)	Weight (pounds)	Motor HP
<b>HZ 12</b>	.4	8½ x 5	34 x 30 x 30	460	1
<b>HZ 40</b>	1.4	12¾ x 6⅞	47 x 37 x 49	1280	3
<b>HZ 60</b>	2.0	25¾ x 5⅞	40 x 68 x 90	2100	5
<b>HZ 80</b>	2.6	16 x 8½	56 x 54 x 76	2800	7.5
<b>HZ 120</b>	4.0	17¼ x 10¼	66 x 54 x 76	2900	10
<b>HZ 160</b>	5.5	20¾ x 12	70 x 54 x 76	3200	15
<b>HZ 220</b>	6.8	27½ x 11½	75 x 54 x 76	5200	15
<b>HZ 330</b>	10.5	42 x 12	90 x 56 x 80	6800	25

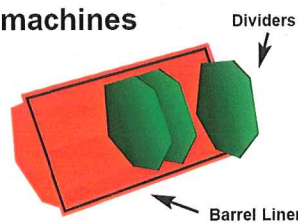
### Optional PSA-HZ Media Separator

This optional separator is available for models HZ 80 through HZ 220. After cover removal each barrel is "jogged" into position over the separator. The barrel ROTATE control allows you to unload the contents of the barrel down onto the separator screen deck. The vibratory motion of the separator allows the media to fall through the screen openings while the parts remain on the screen deck. The media falls into two removable media pans while the parts continue to the end of the screen deck for collection. The PSA-HZ Media Separator is a powerful addition to your finishing operation increasing both speed and efficiency.



### Removable Liners Standard on all machines

These durable, long-life liners are supplied with 1/4" wide divider slots spaced on 1" centers to accommodate a wide variety of product sizes and other unique finishing requirements. Again resulting in maximum efficiency per run. Liners can easily be removed and replaced by removing a few screws.

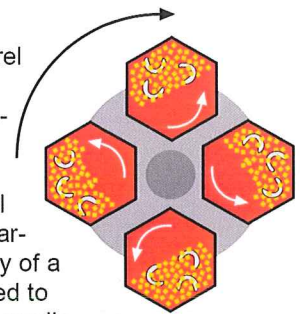


### Standard Variable Frequency Speed Control

Different parts require different finishing speeds. From slower speeds for fine finishing and polishing, to aggressive deburring and edge radiusing at high speed, the Variable Frequency Speed Control allows you to fine tune your finishing for maximum efficiency.

### How It Works

MFI's HZ Series Centrifugal Barrel finishing machines provide the most economical, high speed finishing available. HZ machines operate on the "ferris wheel" principle with a 1:1 ratio of barrel rotation to turret rotation. Four barrels are mounted at the periphery of a large turret. Each barrel is loaded to approximately 50 - 80% full with media, parts and water. During operation, rotation of the turret creates force on the media and parts inside each barrel. This force reduces the cycle time needed to complete the finishing of the parts by up to a factor of 30 over conventional vibratory and barrel finishing.



### MEDIA & ACCESSORIES •

#### • FREE SAMPLE FINISHING

MFI also provides a wide variety of media to accommodate any finishing job. In addition, a variety of accessories are available to customize your finishing system to your exact requirements. Not sure if the HZ will do the job for you?, send us a sample and we'll help you determine the best media and process it in our test lab and send it back - free of charge!



### Model 633 Workstation / Sink

The MFI 633 is an ideal companion to any finishing installation. Features include anodized aluminum framing, 1/2" PVC surfaces and a 3 compartment sludge tank. Contact MFI or your local dealer for details.



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