

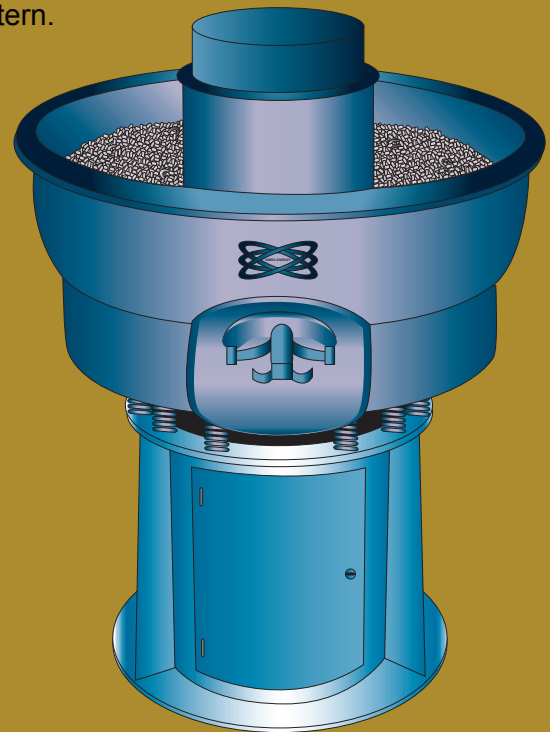
SWECO®

FM-3-HA & FM-3-C FINISHING MILLS A NEW GENERATION OF FINISHING MILLS

The Sweco® FM-3-HA and FM-3-C Vibro-Energy® Finishing Mills process parts from 7 x 7 inches to 12 x 3 inches. The FM-3-HA/C has a channel 10.5 inches wide and a capacity of 3 cubic feet. It will handle up to 800 pounds of parts and media. The FM-3-HA/C is a heavy-duty unit especially suited for difficult deburring applications and high-speed radiusing and descaling. The FM-3 can also be used for burnishing and fine finishing. The unique Vibro-Energy principle combines the best features of vibratory, barrel and rotary motion, giving a three-dimensional, high-impact vibration. Parts are subject not only to vibration and sliding action but also sweep through the churning media mass in a spiral pattern.

With the proper media, the FM-3-HA/C will perform deburring, flash removal, edge-breaking, metal clean-up, rough surface work or prepaint finishing - even radiusing or precision surface reduction.

Metal, plastic, ceramic, and elastomer parts are just a few of the applications that can be processed in a Sweco Finishing Mill.



We Put Technology In Motion™

www.sweco.com

THE CONTROLLED ACTION OF VIBRO-ENERGY CAN
BE UTILIZED FOR DESCALING, BURNISHING, CHEMICAL
TREATING, OR TO PRODUCE SPECIAL SURFACE EFFECTS

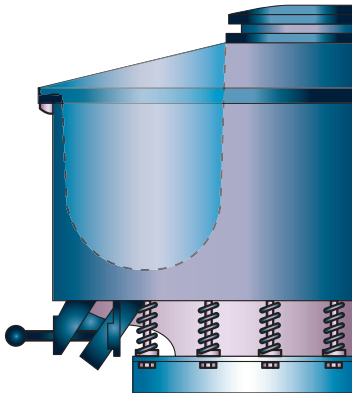
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Two Chamber Configurations Available

A Choice of Chamber Designs

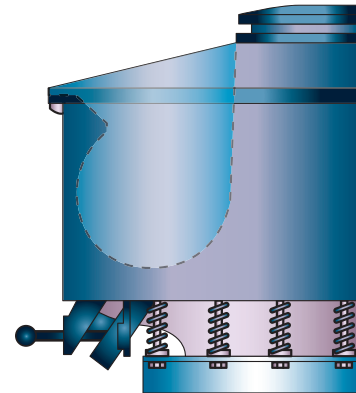
The cross-sectional shape of the Finishing Mill chamber influences the action of parts and media. For best finishing results, the chamber design should be matched to the type of parts to be processed.

Two chamber configurations are available.



Vertical Wall

The Model FM-3-HA Vibro-Energy Finishing Mill is our standard vertical wall design. This design provides efficient finishing of all part sizes; however, it is especially well suited for larger parts as the straight outer wall allows unrestricted turnover of the work.



Curved Wall

The curved outer wall of the Model FM-3-C Vibro-Energy Finishing Mill chamber aids in the roll-to-center action of the mass. This improves parts and media circulation and prevents small, light parts from remaining against the outer wall. It is especially effective in steel ball-burnishing, as well as ceramic and plastic media finishing.

<i>Unit Specifications</i>	
Capacity	3 ft ³ (0.085 m ³)
Motor	1.25 hp; 60 Hz; 3-ph; 230, 460, 575 volt; 1200 rpm
Shipping Weight	550 lbs (249 kg)

For Difficult Deburring Applications

- Open top for visual inspection or parts retrieval without stopping process
- No transmitted vibration means no “walking”
- Unique three-dimensional motion processes recessed surfaces not reached in tumblers
- Higher capacity per horsepower than other types of vibrating units
- Reduced operating and maintenance costs due to simple design and efficient power use
- Compact design saves valuable production floor space



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