

SWECO®

FM-10 FINISHING MILLS

A NEW GENERATION OF FINISHING MILLS

These 10 cubic foot batch units offer all the advantages of the unique Vibro-Energy® finishing plus new design features for easier operation and even more efficiency. Both types are ideally suited for use with Sweco® external separating systems or for manual parts unloading. Portable Magnetic Collectors are available with Model FM-10-V units.

FM-10-C and FM-10-V models provide users with a choice of curved or vertical wall chambers to tailor the finishing process to particular types of parts. Adjustments in finishing action are easily made by varying lead angle and motor weight settings. No tools are required for such adjustments. Operation is easier, too, because these new units are provided with redesigned compound introduction systems and hand adjustable flow controls, both mounted on the Finishing Mill. The poppet-controlled drain makes possible numerous process adjustments.

Sound levels have been reduced by the use of special materials and new fabrication techniques. Optional sound suppressor covers are also available for use with these models for even lower operating sound levels.

The complete spectrum of finishing, from rough to delicate, can be quickly and efficiently handled by these batch units. They will process a wide range of material: metal, plastic, ceramic, or elastomer parts. With the proper media, they will perform deburring, flash removal, edge-breaking, metal clean-up, rough surface work or prepaint finishing - even radiusing or precision surface reduction.



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**

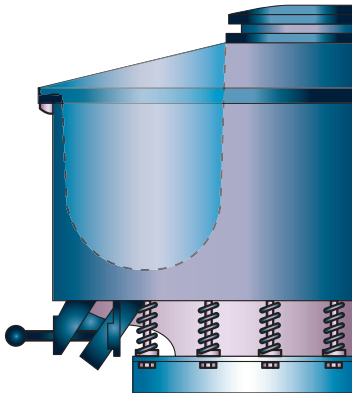
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Two Chamber Configurations Available

A Choice of Chamber Designs

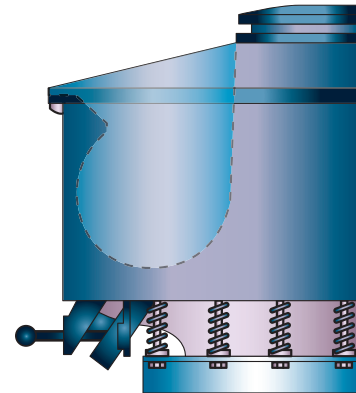
The cross-sectional shape of the Finishing Mill chamber influences the action of parts and media. For best finishing results, the chamber design should be matched to the type of parts to be processed.

Two chamber configurations are available.



Vertical Wall

The Model FM-10-V 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-10-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.

Improve Surface Appearance and Develop Reflectivity

- Unique three-dimensional motion which processes recessed surfaces not reached by tumblers
- Gentle handling and minimum impingement of fragile parts
- Reduced maintenance costs because of simple design and efficient power use
- Open top for inspection or parts retrieval during process
- Higher capacity per horsepower than other vibrating units
- Compact dimensions save valuable floor space
- Wear-resistant cast polyurethane lining
- Noise attenuating construction
- No transmitted vibration to base - no "walking"
- Adjustable mass action - from heavy-duty deburring and steel ball burnishing to delicate finishing
- Full surface processing



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