

FINISH•MASTER<sup>™</sup>

# Horizontal Drag Finishers

*For deburring, polishing, and radiusing of parts up to 48" long*



■ **FM HDF 4000-10**

***Designed to process long parts, including:***

- Gas, steam, and jet engine turbine parts
- Gun barrels
- Augers
- Automotive steering rack components
- Larger cutting tools



■ **Up to 10 rotating heads**



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# Horizontal Drag Finishers

**The FM HDF 4000 and FM HDF 2000** are available in a batch unit configuration, or a semi-automated version that includes indexing load/unload, as pictured on the front cover, for one piece flow production. The adjustable tail stock mechanism allows for parts ranging from 2" to 48" in length, making the machine fully scalable to your requirements. Up to ten individual parts may be processed at a time. With the foot pedal-operated parts release mechanism, loading and unloading are one-hand operations, even on the batch unit.

**Color touchscreen** and digital PLC are standard features, with a user-friendly interface for setting the machine parameters. Both the machine turret and work holding chucks rotate during operation, allowing for shorter process times. A stack light tower for monitoring machine status is also standard.

**The frame** is constructed of welded heavy-duty structural steel members, painted for durability. The machine cladding is heavy powder-coat steel plating with aluminum extrusion. The air-operated machine cover is made of heavy, see-through Lexan, for optimal operator safety. A light curtain and safety interlocks are also available as options, for additional safety considerations.

**The process chamber** is constructed of stainless steel, and includes integral cooling jackets for additional cooling of dry process media for optimum performance and longevity, when required.

### *Suitable for many parts including:*

- Gas, steam, and jet engine turbine parts
- Gun barrels
- Augers
- Automotive steering rack components
- Larger cutting tools

### *Features:*

- Batch unit configuration
- Processing of up to 10 individual parts simultaneously
- Machine rotating turret
- Stack light tower
- Color touchscreen
- Integral cooling jackets

Model	Length (Inches)	Width (Inches)	Height (Inches)	Work Holders	Max Part Length (in.)	Weight (lbs)	Power
FM HDF 2000-5	50	62	50	5	20	1720	460V / 3 Phase
FM HDF 2000-10	50	62	50	10	20	1850	460V / 3 Phase
FM HDF 4000-5	70	62	50	5	32	1980	460V / 3 Phase
FM HDF 4000-10	70	62	50	10	32	2200	460V / 3 Phase
FM HDF 4800-10	80	62	50	10	48	2680	460V / 3 Phase



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