

FINISH•MASTER™

Reverse Drag Finishers



■ **FMRD-48-1 HD**

FMRD Reverse Drag Finishers

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■ *Infinitely adjustable oscillation and rotation over a 360 degree range*

■ *Medical, aerospace, firearms, and many other applications*



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Reverse Drag Finishers

Bel Air's FMRD 48 Reverse Drag Finishers were designed with the combined technologies of our vertical drag finishers, as well as our 5-axis robotic AutoHone finisher. The machine comes in both light and heavy duty models, with varying size tubs and 1, 2, or 3 heads.

Parts are loaded onto an arbor or into an air-operated collet, programmed for movement into the finishing operation and then returned back to the load/unload station. The FMRD's simple, low-cost tooling offers better performance than standard tooling for conventional drag finishing, while effectively reducing media consumption.

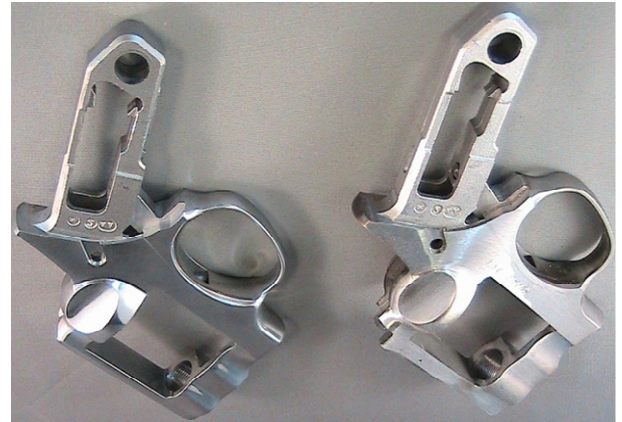
Several unload points allow for ease of part handling and automation or integration into a production cell. With an operator friendly PLC, we are able to achieve high levels of finishing precision control on 4 axes. This allows for the optimum deburring or polishing of complex geometrical parts in the fastest cycle times possible.

Heavy duty machines are designed for the heaviest part configuration, to facilitate high velocity and high load deburring and polishing applications. Their hydraulic systems are built for loads that would be impractical for robotic finishing machines.

Bel Air is a System Integrator, and all equipment can be modified or adapted to fit Cellular or JIT manufacturing platforms.

Deburring, Polishing, and Honing

- Medical implants
- Automotive high performance parts
- Aircraft engine components
- Firearms
- Hardware
- Cutting tools
- Edge honing
- Gears
- Bearing components
- Blades, rotors, and disks



Model	Length (Inch)	Width (Inch)	Height (Inch)	# of Heads	Bowl Dia. (Inch)	Capacity (Cu Ft)	Voltage/Phase	Hydraulic Model Available (HD)	Pneumatic Model Available (LD)
FMRD-30	47	46	45	1 or 2	30	1.0	460/3	✓	✓
FMRD-48	94	59	68	1, 2, or 3	48	6.0	460/3	✓	✓
FMRD-60	112	84	75	1, 2, or 3	60	9.0	460/3	✓	