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MR-12 Overview:

The MR Series is a robust vibratory bowl finishing machine built to handle continuous duty operation. Hammond Roto-Finish's proven welded-construction design was reimagined in 2011 to simplify manufacturing without sacrificing durability. The MR Series combines that innovative design with high-end features.

The MR-12 is available in five models; Manual, Semi-Auto, Automatic, Accelerated Chemistry, and Flat Bottom. General machine data and features are laid out below.





Machine Features:

Max operating capacity 11.0ft³ (200 L)

Heavy-duty 3/16" (4.75mm) welded construction



Main bowl construction component is a pressure vessel tank head

U shaped process channel with textured, straight wall polyurethane lining

Polyurethane lining is a minimum 5/8" (15.5mm) thick, with 50% additional in high wear areas Bowl is suspended on heavy duty coil springs

One (1) set of pop-in drains:

solid, 1/16" (1.5mm), 1/8" (3mm) & 1/4" (6.5mm) slots

Parts separation system with pneumatically operated gate

One (1) set of urethane-coated separation screens:

3/4" (20mm) & 1 1/4" (32mm) openings

Water-driven compound system – mixes between 0% and 5% concentration

19 mm socket included for changing eccentric weights

Integrated lifting eyes

Grease lubrication

Available voltages:

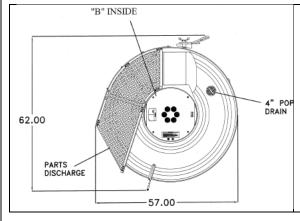
230 VAC / 460VAC, 3ph, 60hz

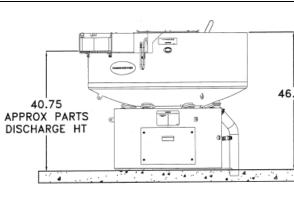
(denotes factory installed – unless specified on order)

MR-12 Specifications and Dimensions:

Drawings:

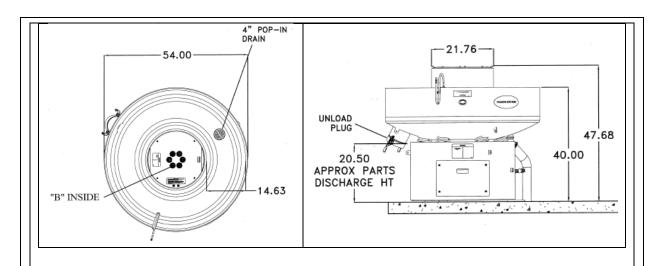
MR-12M, MR-12S, MR-12A, MR-12C





MR-12FB





Utilities:

	Bowl	Power	FLA	Shipping	Maximum	Average	Maximum	Drain
	Working		(230V/460V)	Weight	Water	Flow	Flow Rate	
	Volume				Pressure	Rate		
English	11.0 ft ³	4.6 hp	11.6A / 5.8A	1730 lbs	35 psi	22 gal/hr	4 to 40 gal/hr	(1)
Metric	310 L	3.44 kW	11.UA / 3.6A	785 kg	2.4 bar	85 L/hr	15 to 150 L/hr	2" NPT



☐ Manual Model: MR-12M

\$ 28,400.00 USD

This is the baseline machine model. It features manual controls for both motor start and the pneumatically operated gate.

☐ Semi-Auto Model: MR-12S

\$ 33,250.00 USD

This is the baseline machine model. It features the shut off timer and pneumatically operated gate on the control panel. It can be upgraded to include a VFD.

VFD Upgrade Price \$ 2,450.00 USD

☐ Automatic Model: MR-12A

\$ 47,150.00 USD

This model delivers automation to the MR-12. In addition to the pneumatic gate, it features a PLC with HMI, VFD, and a swinging top eccentric weight. These features work together to automatically process and unload parts from a single Cycle Start button push.

☐ Accelerated Chemistry Model: MR-12C

\$ 48,760.00 USD

This model builds on the MR-12A. In addition to the automatic processing and unloading, it features a second, electric compound pump, part recipe selection from the HMI, and acid proof construction. These features are required in a machine that produces the high luster finishes generated from accelerated chemistry processes.

☐ Flat Bottom Model: MR-12FB

\$ 24,250.00 USD

This model features an unload plug in the bottom of the bowl for easy media unloading and a shut off timer. It can be upgraded to include a VFD.

VFD Upgrade Price

\$ 2,450.00 USD



Common MR-12 Options:		USD		
Description	MR-12S/A/C	MR-12FB		
☐ Special Voltage ☐ 208VAC / ☐ 575VAC		\$ 1,280.00		
☐ Automatic Grease Lubricator		\$ 1,900.00		
☐ End of Cycle Light ²	\$ 390.	00		
☐ RYG Stack Light (A and C models only) ²	\$ 650.00	N/A		
☐ PVC Coated Wire Mesh Screen (specify size)	\$ 590.00	N/A		
☐ Specialty Screen	POR	N/A		
☐ Media Diverter	POR	N/A		
☐ Specialty Drain	POF	POR		
☐ Pneumatic Closable Drain	\$1,950	\$1,950.00		
☐ Specialty Urethane Lining	POF	POR		
☐ Outer curve wall "kicker"	\$1,350	\$1,350.00		
☐ Unload Plug 4" Opening	\$2,000	.00		
☐ Media Classification: includes urethane-coated screen with 1/4" openings	\$ 2,600.00	N/A		
☐ Presentation Deck: For use with magnetic separation	POR	N/A		
☐ Specialty Media Classification Screen ¹	POR	N/A		
☐ Screen-deck mounted Rinse Bar ²	\$ 1,225.00	N/A		
☐ Screen-deck mounted Air Knife ²	\$ 1,780.00	N/A		
Settling Tank: 30 gal (110 L) cap. with center baffle ³				
☐ Painted Steel	\$ 750.	\$ 750.00		
☐ Stainless Steel	\$ 1,650	\$ 1,650.00		
Lift Station: 30 gal (110 L) cap. with center baffle, pumps 100ft (30m) hor	izontally ⁴			
☐ Painted Steel	\$ 4,395	\$ 4,395.00		
☐ Stainless Steel	\$ 5,350	\$ 5,350.00		
☐ Bolt-On Flexible Fabric Noise Cover ⁵	\$ 780.	\$ 780.00		
☐ Hanging Flexible Fabric Noise Cover ⁵	\$ 920.	\$ 920.00		
☐ Base Riser 2" to 24" (2" increments) Higher POR	\$ 2,780	\$ 2,780.00		
☐ Special Paint	\$ 870.	\$ 870.00		
☐ Factory Run Off	\$ 1,290	0.00		

¹ = Depends on the option above	² = Pick only one from the set		
Select either only Item ³ or Item ⁴	⁵ = Pick only one from the set		