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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.



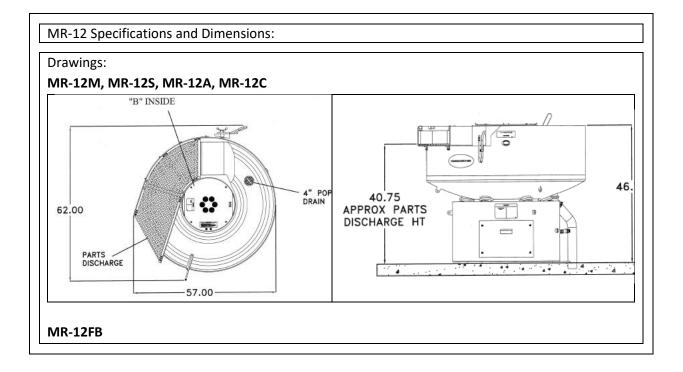
Machine Features:

Max operating capacity 11.0ft³ (200 L) Heavy-duty 3/16" (4.75mm) welded construction

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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 **3/4" (20mm)** & 1 ¼" (32mm) openings One (1) set of urethane-coated separation screens: 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)



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** POP-IN DRAIN "B" INSIDE "B" INSIDE (14.63)								
	Bowl	Power	FLA	Shipping	Maximum	Average	Maximum	Drain
	Working Volume		(230V/460V)	Weight	Water Pressure	Flow Rate	Flow Rate	
English	11.0 ft ³	4.6 hp	11 61 / 5 61	1730 lbs	35 psi	22 gal/hr	4 to 40 gal/hr	(1)
Metric	310 L	3.44 kW	11.6A / 5.8A	785 kg	2.4 bar	85 L/hr	15 to 150 L/hr	2" NPT

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Manual Model: MR-12M

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

Semi-Auto Model: MR-12S

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

Automatic Model: MR-12A

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

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

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

POR

POR

POR

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Common MR-12 Options:	USD					
Description	MR-12S/A/C	MR-12FB				
□ Special Voltage □ 208VAC / □ 575VAC	POR					
Automatic Grease Lubricator	POR					
End of Cycle Light ²	POR					
\square RYG Stack Light (A and C models only) ²	POR	N/A				
□ PVC Coated Wire Mesh Screen (specify size)	POR	N/A				
Specialty Screen	POR	N/A				
Media Diverter	POR	N/A				
Specialty Drain	POR					
Pneumatic Closable Drain	POR					
□ Specialty Urethane Lining	POR					
Outer curve wall "kicker"	POR					
Unload Plug 4" Opening	POR					
Media Classification: includes urethane-coated screen with 1/4" openings	POR	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	POR	N/A				
□ Screen-deck mounted Air Knife ²	POR	N/A				
Settling Tank: 30 gal (110 L) cap. with center baffle ³						
Painted Steel	POR					
Stainless Steel	POR					
Lift Station: 30 gal (110 L) cap. with center baffle, pumps 100ft (30m) horizontally ⁴						
Painted Steel	POR					
Stainless Steel	POR					
□ Bolt-On Flexible Fabric Noise Cover ⁵	POR					
□ Hanging Flexible Fabric Noise Cover ⁵	POR					
□ Base Riser 2" to 24" (2" increments) Higher POR	POR					
Special Paint	POR					
Factory Run Off	POR					

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		

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