

Model M-WC Series

HORIZONTAL CENTRIFUGAL CASTING MACHINES



Centrifugal Casting Offers:

- More efficient use of metal
- Reduced cleaning room costs
- Castings with:
 - Superior Metallurgical Structure
 - Uniform Wall Thickness
 - Smooth Surface Finish



Centrifugal Casting Machine Company, Inc.

The world leader in centrifugal casting and permanent mold technology

www.centrifugalcastingmachineco.com



Model M Series Standard Models

Machine Type		Casting Outside Diameter	Casting Length	Mold Outside Diameter	Mold Length
Model M-12-22-12-WC	Minimum	3" (76 mm)*	12" (305 mm)	5" (127 mm)	14" (356 mm)
	Maximum	16" (406 mm)	24" (610 mm)	20" (508 mm)	26" (660 mm)
Model M-24-22-12-WC	Minimum	3" (76 mm)*	24" (610mm)	5" (127 mm)	26" (660 mm)
	Maximum	16" (406 mm)	48" (1219 mm)	20" (508 mm)	50" (1270 mm)
Model M-36-22-12-WC	Minimum	3" (76 mm)*	36" (914 mm)	5" (127 mm)	38" (965 mm)
	Maximum	16" (406 mm)	60" (1524 mm)	20" (508 mm)	62" (1575 mm)
Model M-40-22-12-WC	Minimum	3" (76 mm)*	40" (1016 mm)	5" (127 mm)	42" (1067 mm)
	Maximum	16" (406 mm)	80" (2032 mm)	20" (508 mm)	82" (2083 mm)
Model M-50-22-12-WC	Minimum	3" (76 mm)*	50" (1270 mm)	5" (127 mm)	52" (1321 mm)
	Maximum	16" (406 mm)	98" (2489 mm)	20" (508 mm)	100" (2540 mm)



Estimated Customer Supplied Utilities-Model M Machines

Item	Description	Requirements
1	Water Supply Pipe for Mold Cooling	20 GPM @40 PSI (76 Liters/Min @ 2.8 Bar)
2	Water Hose for Spray Gun Cleaning and General Use	Shop Water Supply
3	Gas Supply Pipe for Mold Heating	1160 CU FT/Hr (32.8 CU M/Hr @ 67mBAR)
4	Gas Supply Hose for Controlled Atmosphere Pouring (Optional)	1.0 CU Ft/Min @ 27" WC (1.7 CU M/Hr @ 67mBar)
5	Air Supply Pipe for Mold Heating	150 CU Ft/Min @80 PSI (255 CU M/Hr @ 5.5 Bar)
6	Air Supply Hose for Mold Spray Tank	20 CU Ft/Min at 80 PSI (34 CU M/Hr @ 5.5 Bar)
7	Air Supply Hose and Quick Disconnect Coupling for Endplate Hand Spray Gun And Mold Cleaning Air	20 CU Ft/Min at 80 PSI (34 CU M/Hr @ 5.5 Bar)
8	Electrical Requirement	Varies by Model and Country

Common Materials Cast:

Materials cast include: Carbon Steel, Alloy Steel, Stainless Steel, Cast Iron, Ductile Iron, High Chrome Iron, Copper Alloys, Aluminum Alloys, Nickel Alloys, Cobalt Alloys

Common Parts Cast:

Cylinder liners, sleeves, high alloy steel tubes, bushings, bearings

Standard features

- Variable Speed Motor/Drive Package
- Main Operator's Console with HMI display
- Four Pillow Block Assemblies
- Machine Base
- Machine Water Guard
- Machine Runner Pot
- Water Cooling
- Gas Mold Heating Assembly
- Extraction Cart/ Winch Assembly
- 12 Month Equipment Warranty
- Centrifugal Casting Works Manual



Optional Features

(Supplied as Required)

- Pour/Gas Burner Cart Assembly
- Casting Support Cart/Winch Combination
- Automatic Spray Assembly Upgrade
- Lot Model M Spare Parts
- Commissioning/ Startup Services
- Annual Maintenance Contract



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