

Syntron Material Handling

The Direct Drive
Clear Advantage
by **Syntron**[®]



www.syntronmh.com

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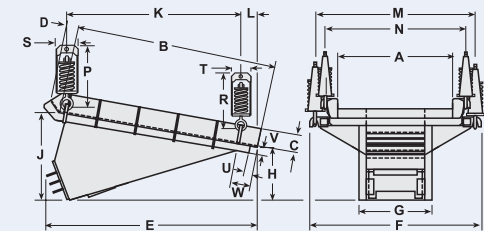
MF Electromechanical Direct Drive Feeder Features

- Operating frequency - 1100 VPM at 55.4 Hz
- Stroke: 0.25 - 0.36 inches
- Dependable, flexible, easily adjustable
 - Minimal component design to reduce adjustments and replacements due to wear
 - Quick replacement of Drive Unit
 - Infinite unbalance adjustment
 - VFD control providing 10:1 turn-down feed adjustment
- Sub-resonant tuning
 - Stroke consistency and speed stability under varying headload and material dampening
- Start and operate fully loaded or empty
- Structural strength
 - Deep wing plates
 - Engineered weldments using the latest FEA techniques and software
- Hazardous Area Service
 - Explosion proof motors
 - ULXP:
 - Class 1, Div 1, Group C & D
 - Class 2, Div 1, Group E & F
- Bolt-in trough liners
 - T1-A
 - AR-400, AR-500
 - 304 stainless steel
 - Chromium carbide overlay ceramic
 - UHMW, TIVAR, rubber



MF Heavy-Duty Feeder Specifications

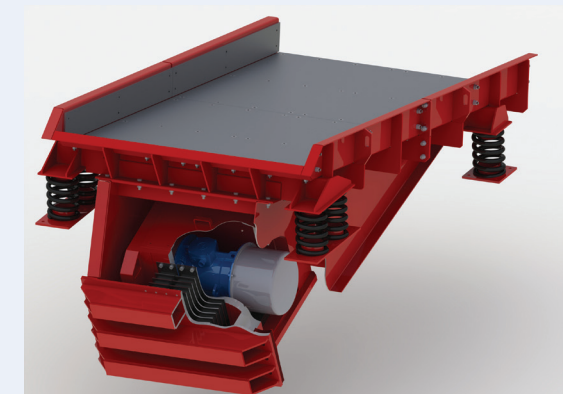
MODEL MF-200-DD



Please request a certified drawing for installation.

Approx. Trough W x L	Approx. Capacity tph	
	Syntron [®]	Brand D
30 x 84	550	550
36 x 84	675	675
42 x 84	950	800
42 x 96	1000	925
48 x 84	1050	925
48 x 96	1075	1075
54 x 96	1450	1200
60 x 96	1525	1350

◆ Based on feeder with 10° down slope, below-deck drive unit, installed with proper hopper transition and skirt board arrangement, 2" (-) aggregates weighing 100 pounds per cubic foot. 460/575 Volt 60 Hz three-phase. 380/415 Volt 50 Hz three-phase.



Many other trough sizes are available. Capacities vary depending on drive unit location, material characteristics, material density, trough length and width, trough liner type, feeder installation, skirt boards and hopper transitions. Cad drawings are available. Please call Syntron Material Handling for expert help with your application.

	Syntron [®]	Brand D
Manufacturing Experience building Two-Mass Feeders	83 years	2 years
Know your Drive Springs	Drive Springs (10 -15 year life span)	Coil Springs (5-7 years)
Isolation...Isolation...Isolation	Located on the trough for maximum feed and special hook design for minimum friction	Clevis pin connected to the feeder is pivoting on 2 edges causing wear and damage
The L10 truth (100,000 hours)	Grease fittings installed for easy access on every Syntron System	All vibrator manufacturers state bearings do not require regreasing, however, to achieve the L10 life calculation regreasing schedules for the motors are published
Trough Matters	Uni-welded trough design with impact reinforcement for your most rugged applications	Shallow impact area and ribs which is known in the industry to be less robust and durable



Coal • Aggregates • Mining • Food Handling • Steel

Proven Engineered Products – Complete Material Handling Solutions

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Link-Belt®

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