Syntron Material Handling

# The Direct Drive Clear Advantage by Syntron®

www.syntronmh.com

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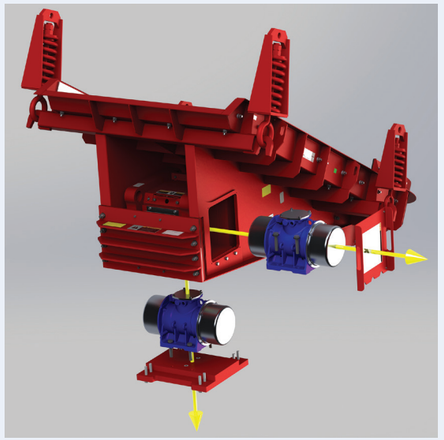
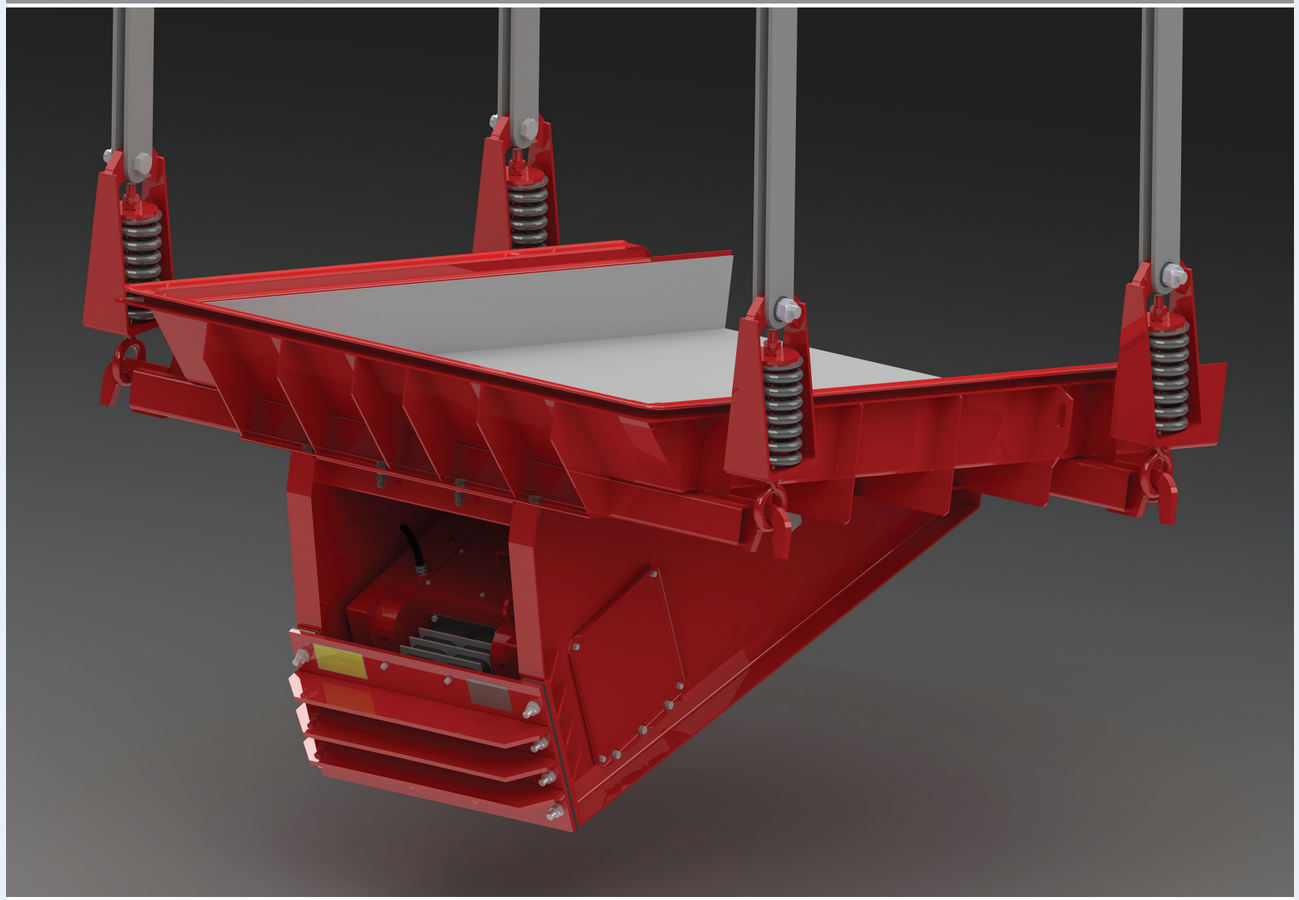
## MF Electromechanical Direct Drive Feeder Features

- 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

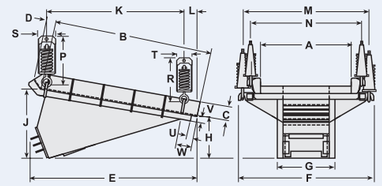




| | Syntron® | Brand D |
|---|---|---|
| **Manufacturing Experience building Two-Mass Feeders** | 83 years | 2 years |
| **Know your Drive Springs** | Drive Springs (10 -15 year life span) | Coil Springs (5-7 years) |
| **Isolation...Isolation...Isolation** | Located on the trough for maximum feed and 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)** | Syntron installs grease fittings located at the top of our exciter to allow for easy lubrication of the shaft bearings. Vibrator manufacturers recommend lubrication of the bearings to achieve L10 life calculations. | Grease fittings are not available. L10 life expectancy is at risk due to lack of future lubrication. |
| **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 |

## MF Heavy-Duty Feeder Specifications

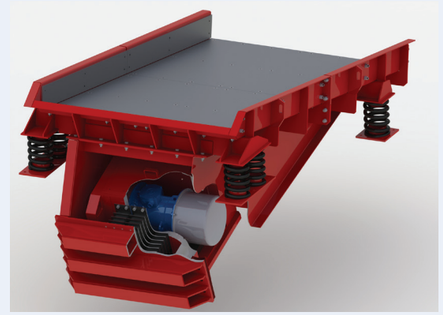
MODEL MF-200-DD




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.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## Proven Engineered Products – Complete Material Handling Solutions

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