

## "M" SERIES MULTI-DECK SCREENS



**The Multi-Deck – Perfect for grain export cleaning and processing, featuring our highest capacity**

\* After testing in our lab.

BM&M builds nothing but screeners. Our goal is to recover the maximum amount of good product, as well as removing the rejects.

# MULTI-DECK SCREEN

## 50 Years of the Multi-Deck

The Multi-Deck Screen is a stacked configuration screener that offers BM&M's highest capacity screener in the most compact footprint possible and is ideal for agricultural applications.

## BM&M Gyrotory Motion

The unique technology developed by BM&M creates an unbeatable combination of motion and speed that generates higher throughputs and greater efficiencies. There are 3 core elements that work together to deliver these results.

1

### Fully Gyrotory Motion

Centering the drive in the middle of the machine generates a gyrotory motion over the entire screen surface. Gyrotory motion is the most efficient in the market.

2

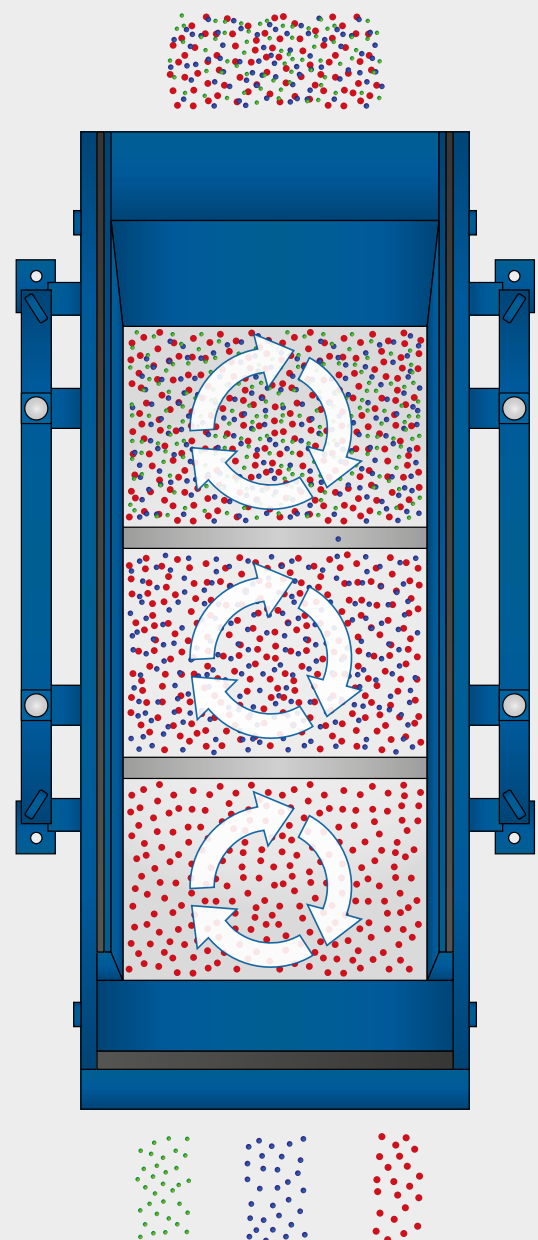
### Maintenance Free Drive

The eccentric weight drive assembly is lubricated for life. The unique static shaft design provides torsional stiffness ensuring long trouble-free service reducing ongoing machine maintenance costs. 20 years service is the norm, not the exception.

3

### Maximum Productivity

Increasing speed results in higher screening energy being applied to the material, eliminating blinding while also increasing throughput. Centering the drive in the machine's mass allows us to run at higher speeds than other gyrotory options which equates to more performance per sq.ft of screen.



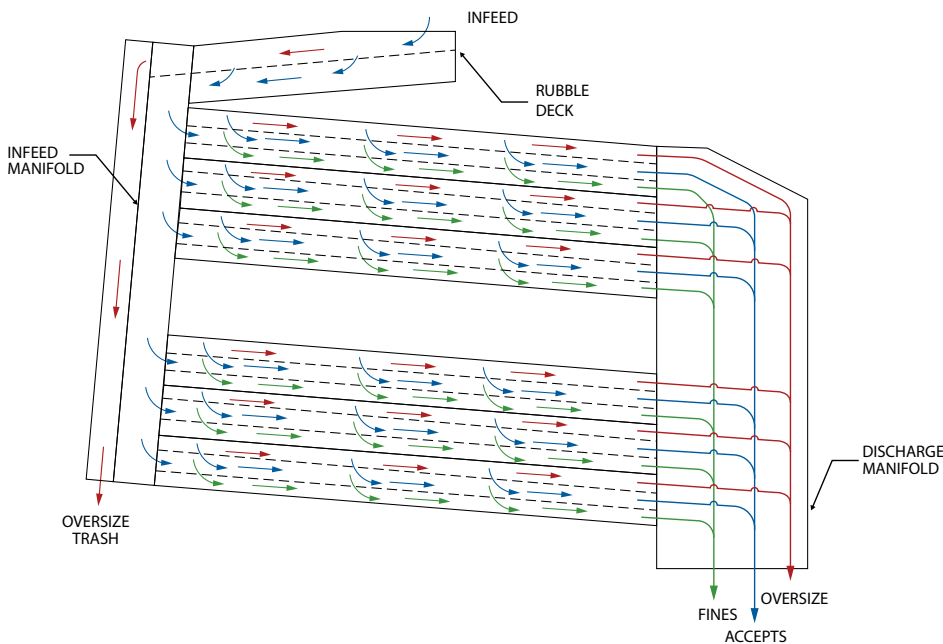
## Multi-Deck Screens

### ► Fully Enclosed Construction

Ensures dust-free installation for a cleaner operating environment and minimum housekeeping.

### ► Product Options

- Standard and High Capacity Constructions
- Oil Resistant cleaning balls
- Dust Aspiration Ports
- High Temp Construction (180 - 250 °F)
- Hanger remote lubrication
- Drive Bearing temperature element
- Open and Closed Aspirators



### Ball Decks To Reduce Blinding

The high bouncing force of the balls will prevent blinding for virtually any application.



### Screen Clamping Device

Screen surface will be clamped in place and fully sealed so no cross contamination can occur.



### Eccentric Weight Drive Technology

The drive assembly is lubricated for life ensuring maintenance costs are minimal. All models come with a 3-year drive bearing warranty and a spare drive belt.



# DESIGN & SPECIFICATION

## Sizes

- ▶▶ 33 and 50 series
- ▶▶ 100sq.ft to 600sq.ft
- ▶▶ Up to 400 ft<sup>2</sup> per deck

## Number of Decks

- ▶▶ 1-3 deck configurations available

## Speed

- ▶▶ 300 RPM standard operating speed at a 1 1/4" diameter stroke
- ▶▶ Motor - 1800 RPM Direct Driven

## Design & Materials

- ▶▶ Rubble Deck and Distribution Box Feed
- ▶▶ Enclosed construction
- ▶▶ Quick Change screen access - hinged doors at both ends
- ▶▶ Replaceable pans
- ▶▶ Adjustable stroke counter weight assembly c/w maintenance free bearing
- ▶▶ Construction - welded mild steel, fully stress-relieved
- ▶▶ Hollow structural steel support stand
- ▶▶ Custom Discharge Chutes designed for your application

## PARALLEL FLOW SCREENS

	3322M11	3333M11	5011M11	5022M11	5033M11	3333M22	5011M22	5022M22	5033M22	5044M11
W	88"	88"	92"	92"	92"	88"	92"	92"	92"	92"
L	120"	123"	151"	154"	157"	128"	157"	162"	165"	170"
H	96"	108"	86"	98"	110"	121"	93"	112"	130"	141"
SCREEN AREA	132"	198"	100"	200"	300"	396"	200"	400"	600"	400"

*High capacity screeners for grains, oil seeds, sawdust, and large capacity bulk powders come in multiple-sizes, with 2, 4, 6, 8, or 12 screens. Up to 600 sq.ft. or screen available!*

**BM&M**  
SCREENING SOLUTIONS

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