

## Highest Capacity Gyrotory Screener



**Maximum  
Performance  
Assured**

after testing in our  
European Lab\*

## The Super Deck - highest capacity, flexible for all industries

The Super-Deck screen is BM&M's High Capacity, high speed horizontal gyrotory design. It is dynamically balanced to allow greater rotational speeds and strokes than conventional sifters and screeners.

# Super-Deck Screen

The BM&M Super-Deck has the same patented BM&M aggressive screen action that enables all BM&M models to achieve high capacity and efficiency in many process industries. Models are available with 100-360 square feet of total screen area.

The stroke and speed can be engineered for each application.

## Rotex Group 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

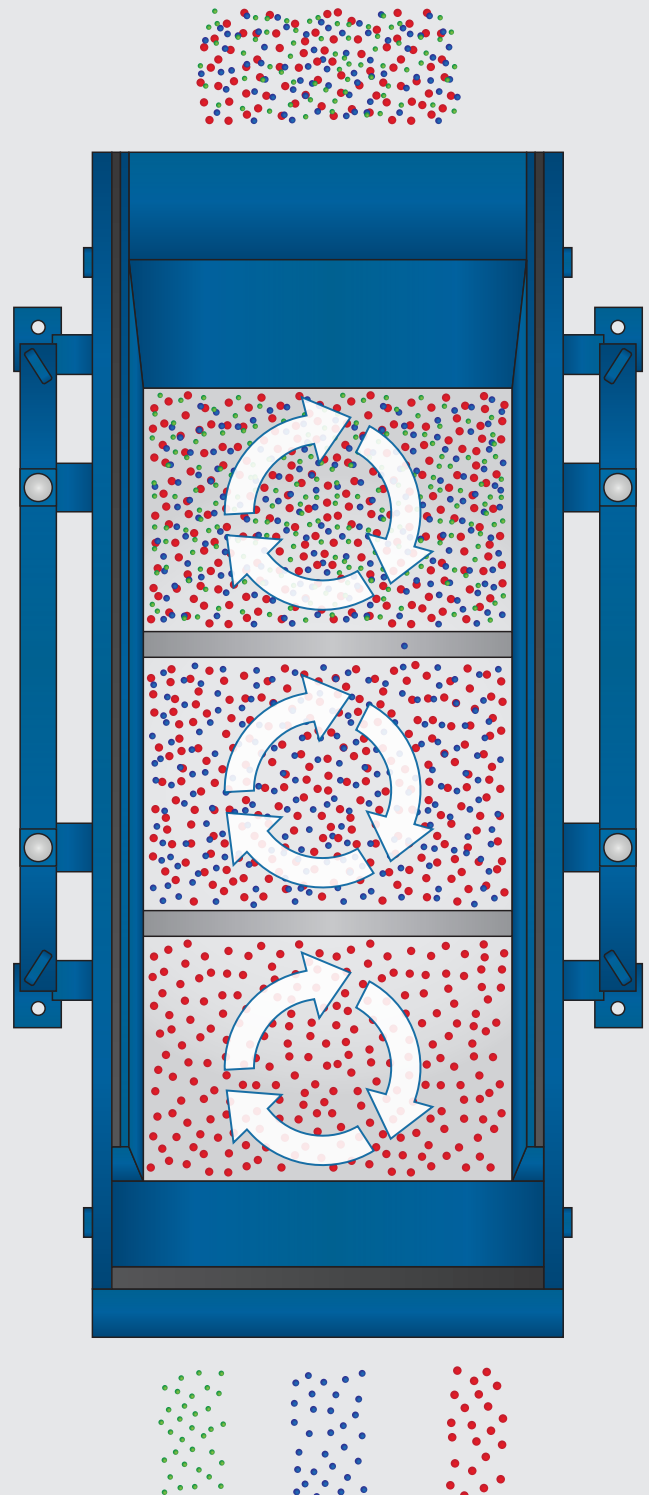
### Maintenance Free Drive

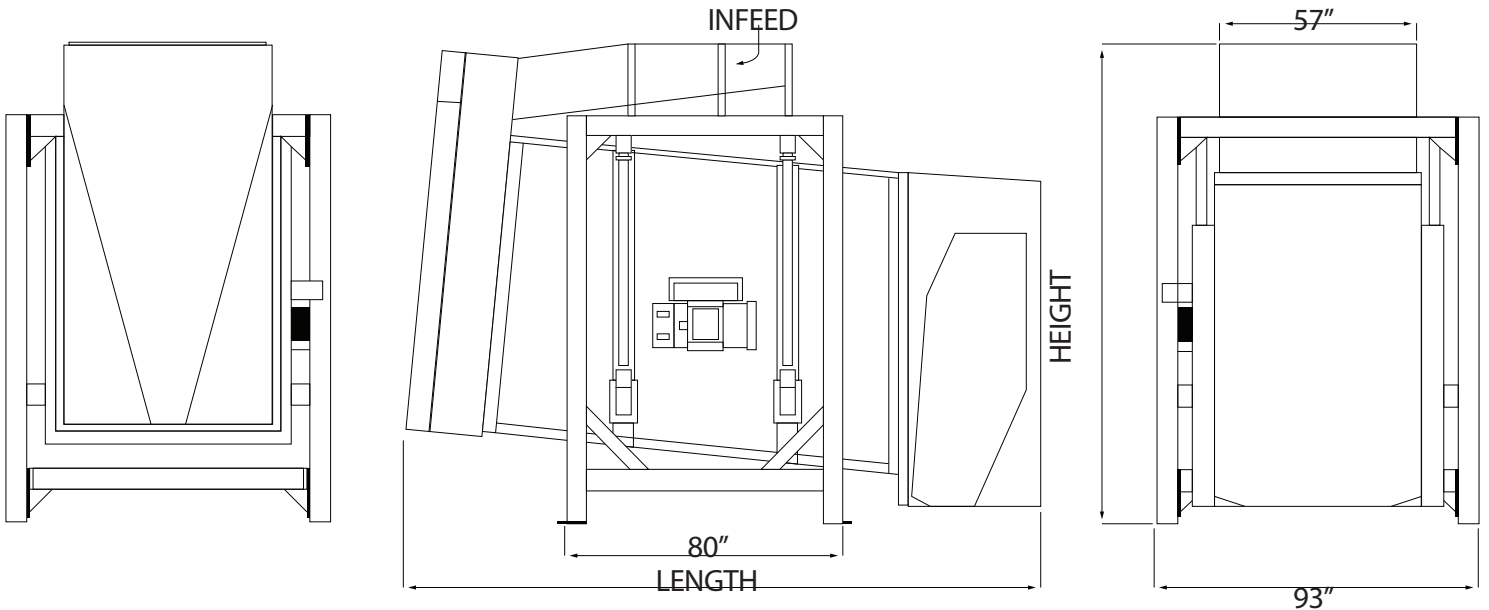
The eccentric weight drive assembly is lubricated for life. The unique static shaft design provides torsional stiffness ensuring long trouble-free service reducing ongoing machine maintenance costs. 20 years service is the norm, not the exception.

➤ 3

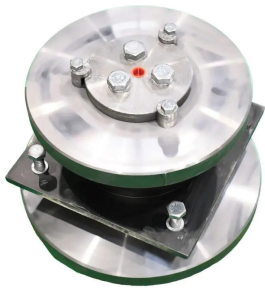
### Maximum Productivity

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.





## Features



### Exclusive Drive Technology

- Centralised location and a stationary shaft allow for higher speeds and a gyrotory motion across the entire screen surface.



### Dual Access Points for Screen Removal

- The infeed and discharge doors are hinged for easy access to the screen.



### Deblinding Efficiency

- Its efficient gyrotory upgrades keep the energy and uniformity of the gyrotory movement combined with the increased speed prevents material from plugging.



### Screen Tensioning System

- Rotex Group's tensioning system ensures screen surfaces remain taut across the entire screening area.

## Installation

### BM&M Supplied Stand

- The machine can be floor-mounted using a support stand designed for the specific machine.

### Existing Structure

- Because the machine suspension system has low to no vibration, the machine can be mounted directly to a structural steel framework using custom-length hangers assemblies.





## Super-Deck Screen Dimensions

### SIZES AND DECKS

- 50 and 60 series
- 100sq.ft to 360sq.ft
- Up to XXX ft<sup>2</sup> per deck
- X-X 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

Model	# of Fractions	Total Area/Fraction	Length	Height
5022S1	2	200 sq.ft.	183"	138" - 144"
6022S1	2	240 sq.ft.	207"	138" - 144"
5033S1	2	300 sq.ft.	183"	138" - 144"
6033S1	2	360 sq.ft.	207"	138" - 144"
5011S2	3	100 sq.ft.	183"	138" - 144"
6011S2	3	120 sq.ft.	207"	138" - 144"
5022S2	3	200 sq.ft.	183"	138" - 144"
6022S2	3	240 sq.ft.	207"	138" - 144"
5011S3	4	100 sq.ft.	183"	138" - 144"
6011S3	4	120 sq.ft.	207"	138" - 144"

For more information or to find your local Rotex Group representative visit our website

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