

## High Capacity, Efficient Performance, Accurate Separations

The Megatex XD Screener is a high-volume screener delivering accurate separations and high yields.



Rotex Megatex™ XD Screener ➤

### Megatex™ XD Screeners designed and built to meet your requirements:

- Unique long stroke, Gyrotory-Reciprocating motion for effective product stratification and separation
- Aggressive ball mesh cleaning system to maintain high capacity
- Easy access to screens
- Durable construction with replaceable abrasion resistant linings in high wear areas

### FREE MATERIAL ANALYSIS

To help achieve highest yields with consistent on-spec product:

- Free confidential laboratory testing
- Comprehensive separation analysis
- Easy-to-understand summary report
- Our experienced Lab Technicians and Application Engineers will recommend the machine size, settings and screen openings to ensure accurate, efficient separations.

“ The Megatex XD allowed us to increase our production capacity to our required level without adding multiple machines. This avoided the need to reconfigure the production line.”

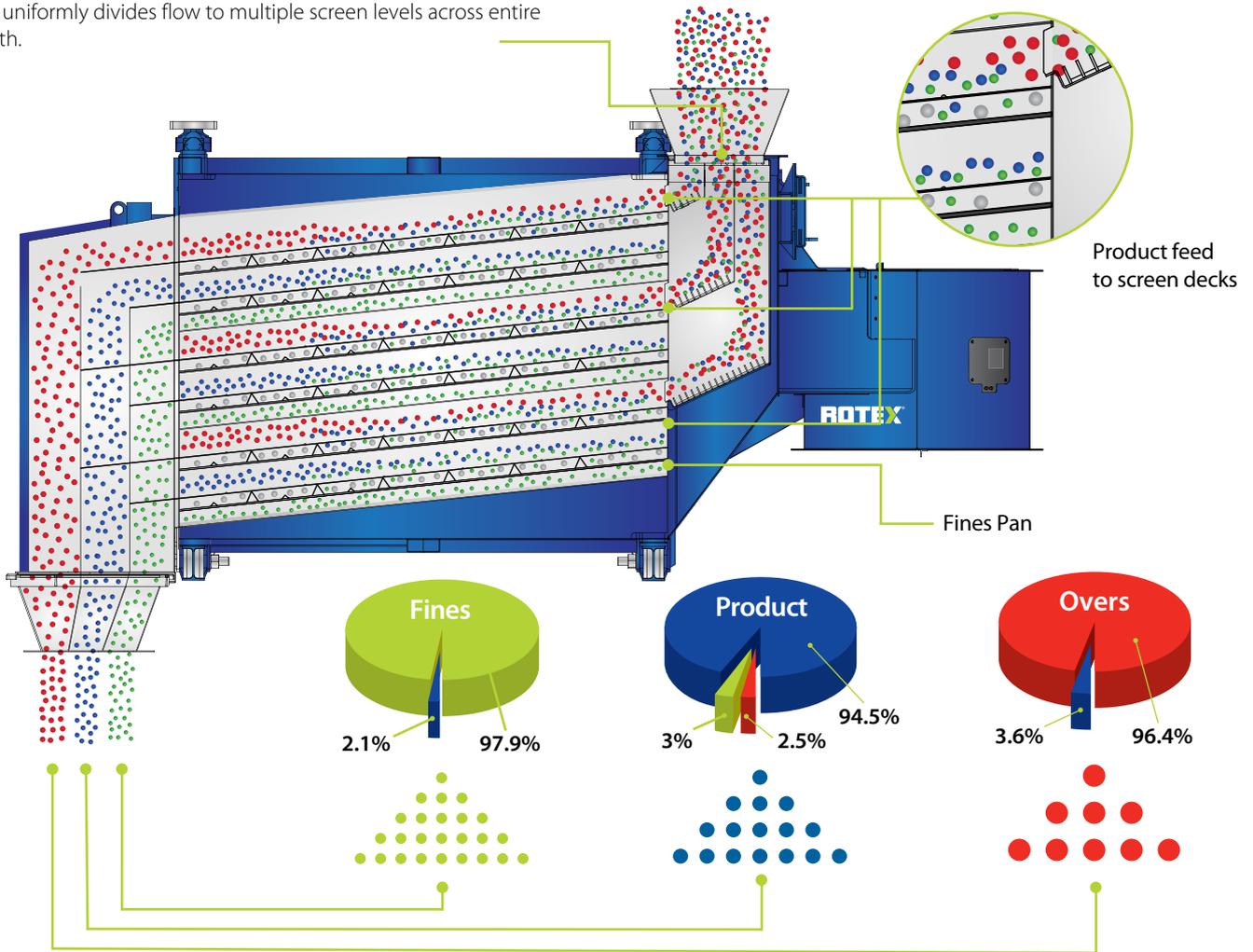
*Plant Manager - Chemical Fertilizer Producer*

➤ **Over 100 Megatex™ XD Screeners are installed throughout the world**



## Feed split into equal parts

Inlet plenum uniformly divides flow to multiple screen levels across entire machine width.



## Gyratory Reciprocating Motion



The Gyratory Reciprocating Motion gradually diminishes along the length of the machine to an elliptical path and finally to a nearly straight line motion at the discharge end.

### Circular motion at the feed end

- Spreads the material across the full width of the screen surface
- Stratifies the material
- Aggressively conveys material forward

### Changing to elliptical motion at the middle of the deck

- Long stroke elliptical action
- Enhances product stratification
- Conveys material at high capacity

### Reciprocating motion at the discharge end

- Removes near-size particles
- Improves screening efficiency
- No vertical component ensures material is in constant contact with the screen surface

## Megatex™ XD Benefits

- Proven Rotex Gyratory-Reciprocating Motion for unmatched product recovery efficiency
- Proportional feeding of each screen level eliminates the need for multiple feed points
- Full width doors, easy release locking handles and an external mounted drive reduce downtime
- A sleeveless discharge system uses brushes to control dust as product falls into take away boxes below the machine.





**Accessible External Drive**

Simple reaction drive cartridge with 2 spherical roller bearings designed for 200,000 hours of service



**Quick Release Clamp Handle**

Improved access to screens with the new quick release clamp handle



**Positive Screen Cleaning**

Bouncing balls keep screen openings clear, maintaining efficiency and capacity



**Seals**

Easily replaced silicone rubber seals are available in white FDA-approved and high temperature (400 °F/204 °C) compounds.

**Installation Options**

The Megatex XD is a reaction drive screener and must be suspended from existing framework or a Rotex supplied support stand. The suspension system consists of four hanger assemblies and isolates 95% of forces from adjacent structures.

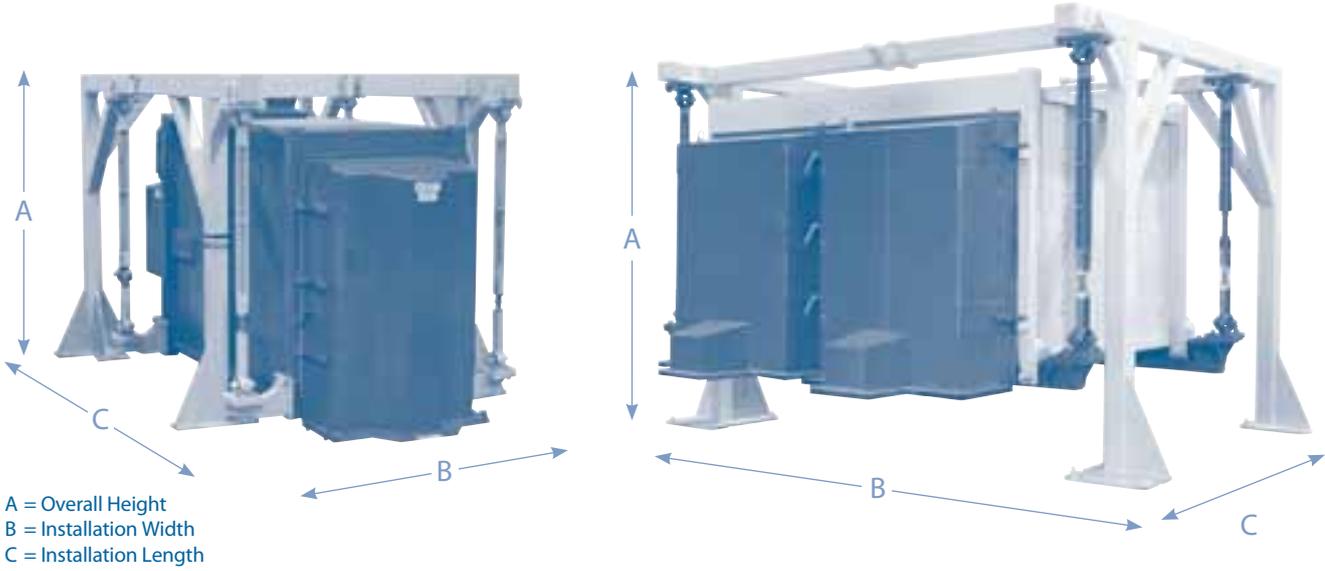
**Existing structure**

Because the Megatex XD suspension system has low transmitted forces, the machine can be mounted directly to a structural steel framework.

**Rotex supplied stand**

Megatex XD Screeners can be floor mounted using a support stand designed for a specific model.





The specifications below are for MegateX XD Screeners of standard construction, ranging from a single surface model (2 grades - 1 separation) to a 3 deck model (4 grades - 3 separations). Drawings are representative, but overall dimensions may vary depending on the mounting method.

### Examples of available MegateX™ XD Models

No. of Screen Surfaces	Number of Levels	MegateX Model No.	Normal Area per Surface		Motor		Principal Dimensions						Shipping Weight	
			ft <sup>2</sup>	m <sup>2</sup>	hp	kW	A		B		C		lb	kg
							in	mm	in	mm	in	mm		
1	2	2120-1	120	11.2	15	11	97	2464	180	4572	265	6731	11700	5306
	3	3180-1	180	16.7	15	11	106	2692	180	4572	265	6731	12600	5714
	5	5300-1	300	27.9	15	11	106	2692	180	4572	265	6731	13600	6168
	6	6360-1	360	33.5	15/20**	11/15**	109	2769	180	4572	265	6731	15000	6803
	6	6340-1-S*	360	33.5	20	15	130	3302	180	4572	265	6731	17000	7710
2	2	2120-2	120	11.2	15	11	97	2464	190	4826	265	6731	12200	5533
	3	3180-2	180	16.7	15	11	106	2692	190	4826	265	6731	13600	6168
	4	4240-2	240	22.3	20	15	117	2972	190	4826	265	6731	15500	7029
	5	5300-2	300	27.9	20	15	133	3378	190	4826	265	6731	18100	8209
3	2	2120-3	120	11.2	15	11	103	2616	210	5334	265	6731	13600	6168
	3	3180-3	180	16.7	15/20**	11/15**	117	2972	210	5334	265	6731	15500	7029

\* Indicates coarse scalp deck

\*\* Power requirement is volume/application specific (Contact Rotex).

### MegateX™ XD Screeners vs. Conventional Screeners

MegateX XD Screeners have a unique stacked deck design within a compact machine. Several parallel fed surfaces do the job of multiple screeners, saving capital expense, floor space, energy and installation cost.

At higher capacities increased screen width (16'–48'/4.0 m–14.6 m) is more effective than extended screen length because the bed depth is lower. Lower bed depth improves material stratification, so recovery efficiency and product accuracy are higher than competitive units.

➤ To find your local Rotex representative visit [www.rotex.com](http://www.rotex.com)