

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, Gyratory-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.”

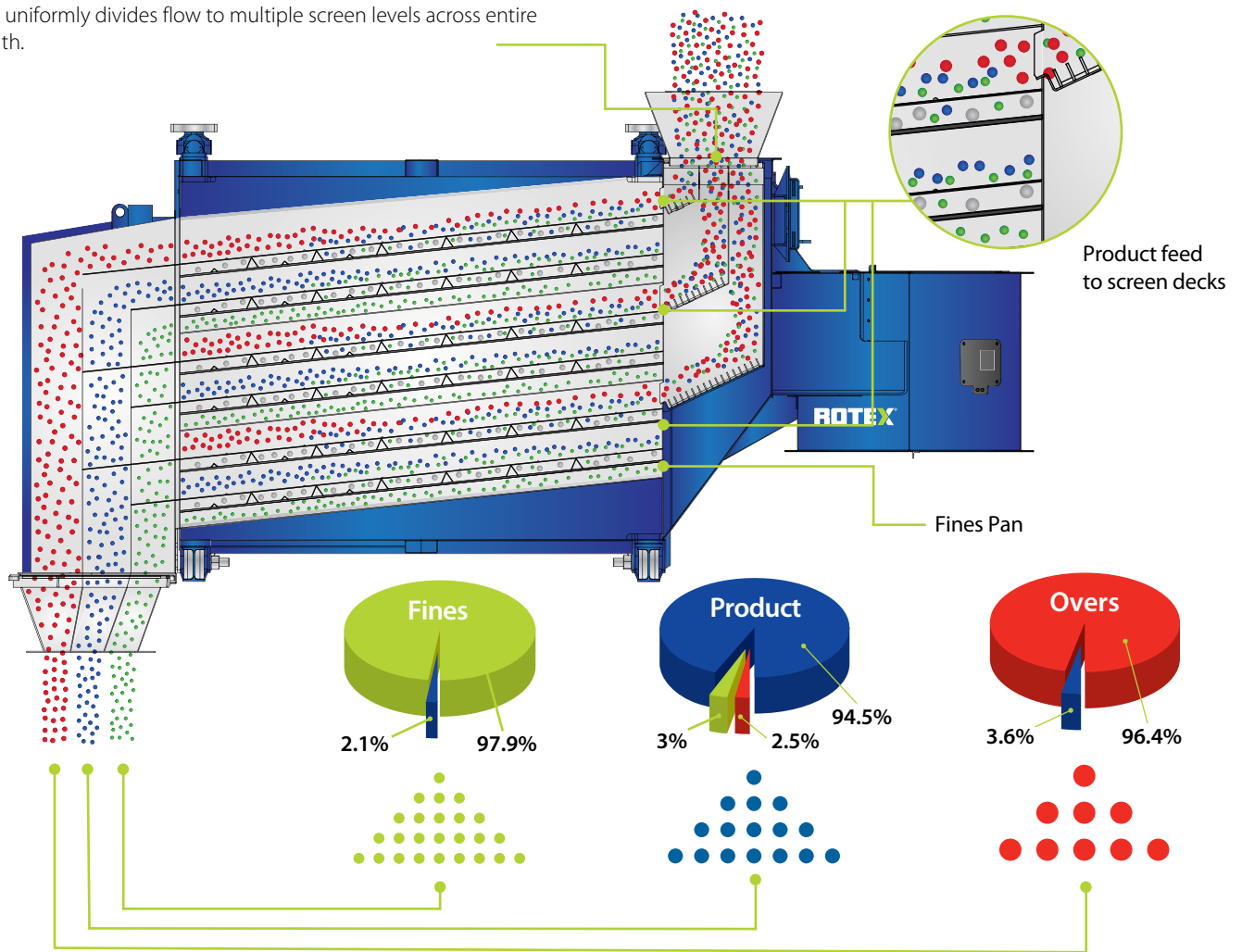
Plant Manager - Chemical Fertilizer Producer

➤ **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.

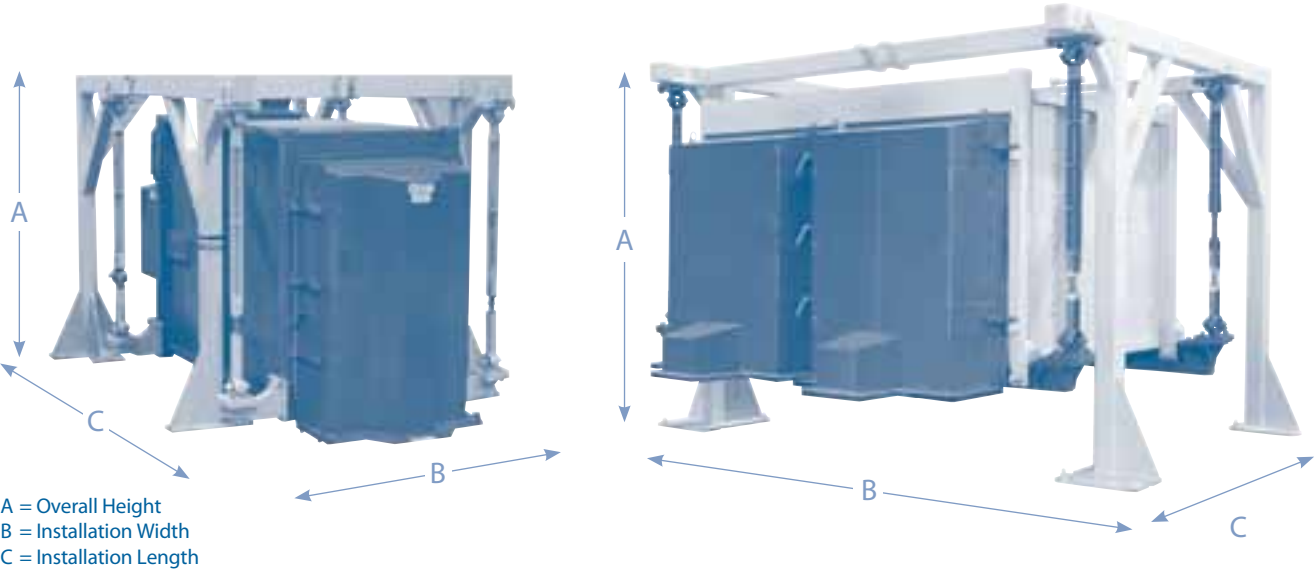
Existing structure

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	
							A		B		C			
			ft²	m²	hp	kW	in	mm	in	mm	in	mm	lb	kg
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.