

ROTEX®

HIGH PERFORMANCE SCREENERS

The highest capacities in a single unit.

The Rotex Minerals Separator and MEGATEX XD provide unmatched industrial screening for high-volume applications requiring extremely accurate separations. These multilevel separators feature unique stacked designs for smaller footprints and were engineered to withstand the harshest of conditions.



Minerals Separator/MEGATEX XD

FEATURES



Accessible External Drive

A simple reactionary drive cartridge incorporating two spherical roller bearings provides years of longevity.



Quick-Release Handle

Customized heavy-duty DESTACO door clamps allow quick and easy screen access.



Easily Replaceable Seals

Customized internal seals allow for premium leak protection and easy replacement.



Brush Connections and Sliding Inlet

The inlets, outlets and dust-collection ports of the machine utilize engineered solutions to eliminate all flexible connections.

How It Works

Rotex patented the innovative concept of Gyratory Reciprocating Motion and perfected it over years of lab testing, custom installations and field experience. No other solution combines low-angle screening with long-stroke and low-frequency characteristics in a single machine. This dynamic combination results in greater efficiencies, superior particle accuracies and higher yields.



BENEFITS



Reduced Downtime

Quick-access clamps, external drives and no flexible connections greatly simplify maintenance.



Consistent Screen Tension

Rotex screens are automatically tensioned with each new screen installation.



No Product Leakage

Each fraction is fully contained through our patented Cam Lift-Rail and customized internal seals.



Independent Screen Access

Stacked, multiple-deck, tray-access design allows individual screen access without removing all decks.



Longevity and Durability

Rotex drives are designed for long-term, trouble-free service in any application with minimal maintenance.

INSTALLATION



Existing structure

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



Rotex-supplied stand

The Minerals Separator can be floor-mounted using a support stand designed for a specific model.



PARTS AND SERVICE

Every Rotex machine and every Rotex part is backed by a team of service representatives and technical support staff who offer guidance before, during and after the sale. Find out more at rotex.com.

FREE MATERIALS TESTING

See firsthand how your materials perform under various industrial screening conditions. This is a free service that helps create a custom-fit solution to best meet the needs of your application. Ask your representative about free materials testing or see complete details on the Rotex website.

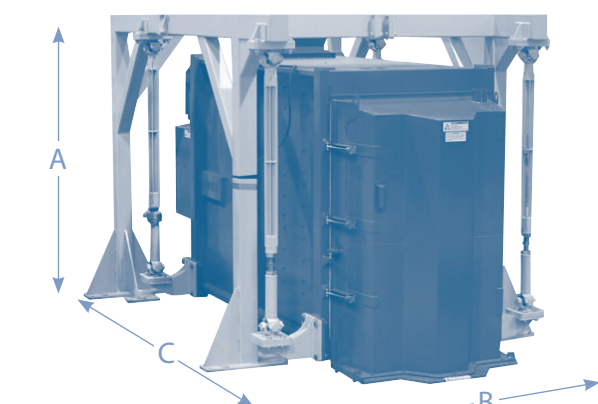
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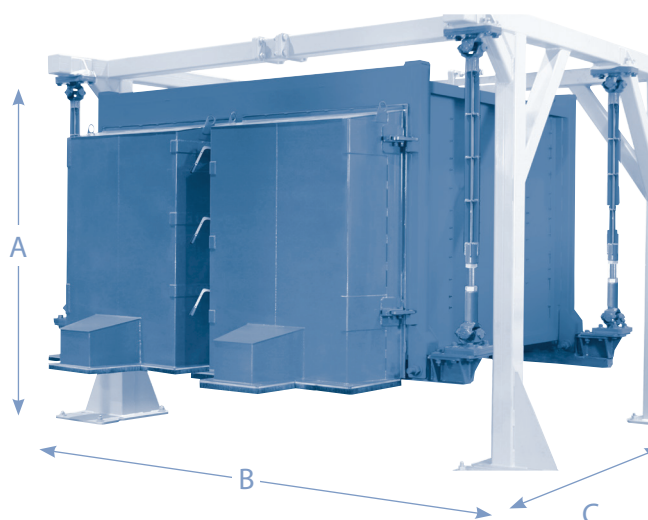
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A = Overall Height

B = Installation Width

C = Installation Length (Includes space for screen frame removal)



The specifications below are for Minerals Separators of standard construction, ranging from a single surface model (2 grades – 1 separation) to a four deck model (5 grades—4 separations). Drawings are representative, but overall dimensions may vary depending on the application requirements and mounting method.

Minerals Separator™ 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	3	3090-1†	90	8.4	15	11	86	2184	114	2896	246	6248	8600	3900
	3	3180-1	180	16.7	15	11	106	2692	106	2692	252	6401	13200	5986
	4	4120-1†	120	11.2	15	11	94	2388	114	2896	246	6248	9500	4308
	4	4240-1	240	11.2	15	11	100	2540	180	4572	252	6401	12400	5624
	5	5150-1	150	13.9	15	11	112	2845	114	2896	246	6248	10500	4762
	6	6180-1†	180	16.7	15	11	Contact Rotex							
	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	6360-1-S*	360	33.5	20	15	130	3302	180	4572	265	6731	17000	7710
2	8	8480-1	480	44.6	20	15	132	3353	180	4572	265	6731	20000	9070
	3	3090-2†	90	8.4	15	11	91	2311	117	2972	246	6248	9500	4318
	4	4120-2†	120	11.2	15	11	113	2870	130	3302	260	6604	10500	4762
	5	5150-2†	150	13.9	15	11	118	2997	117	2972	246	6248	11900	5397
	2	2120-2	120	11.2	15	11	100	2540	190	4826	252	6401	12600	5714
	3	3180-2	180	16.7	15	11	106	2692	190	4826	265	6731	13600	6168
	3	3180-2-S*	180	16.7	20	15	Contact Rotex							
	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	3	3090-3	90	8.4	15	11	112	2845	140	3556	260	6604	10500	4762
	2	2120-3	120	11.2	15	11	103	2616	210	5334	265	6731	13600	6168
	2	2120-3-S*	120	11.2	20	15	119	3023	210	5334	252	6401	17100	7755
	3	3180-3	180	16.7	15/20**	11/15**	117	2972	210	5334	265	6731	15500	7029
	4	4240-3†	240	22.3	20	15	135	3429	210	5334	252	6401	19900	9025
4	2	2120-4†	120	11.2	15	11	108	2743	217	5512	217	5512	15800	7182
	3	3180-4†	180	16.7	20	15	129	3277	214	5436	220	5588	19000	8636

* Indicates integral coarse scalp deck

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

† indicates single discharge door - "Half machine"

‡ indicates this model is available only with 4 degree decks. (Standard slope is 6 degrees.)

Minerals Separator Design

Minerals Separators have a unique stacked design within a compact machine. Several parallel-fed surfaces do the job of multiple screeners, saving floor space, energy and installation cost. At higher capacities, additional screen width (12 ft–48 ft / 3.7 m–4.6 m) is more effective than adding screen length because additional width reduces bed depth on the screen. As a result, material stratification and separation occurs quickly, resulting in higher recovery efficiency and product accuracy.

➤ To find your local Rotex representative visit www.rotex.com