ROTEX®
HIGH PERFORMANCE SCREENERS

Screener APEX™

High Efficiency Performance, Ergonomic Design

Apex screeners provide the same great Rotex efficiency at a lower operating cost.

Rotex Apex™ Screener

PRODUCT BULLETIN | APEX™ SCREENER

The Apex™ Screener is built to meet your requirements:

- Unique Rotex Gyratory-Reciprocating motion provides maximum product recovery
- Designed for single-operator use to reduce handling expense
- Lightweight, pretensioned screen panels allow for easy inspection and changes in minutes

FREE MATERIAL ANALYSIS

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

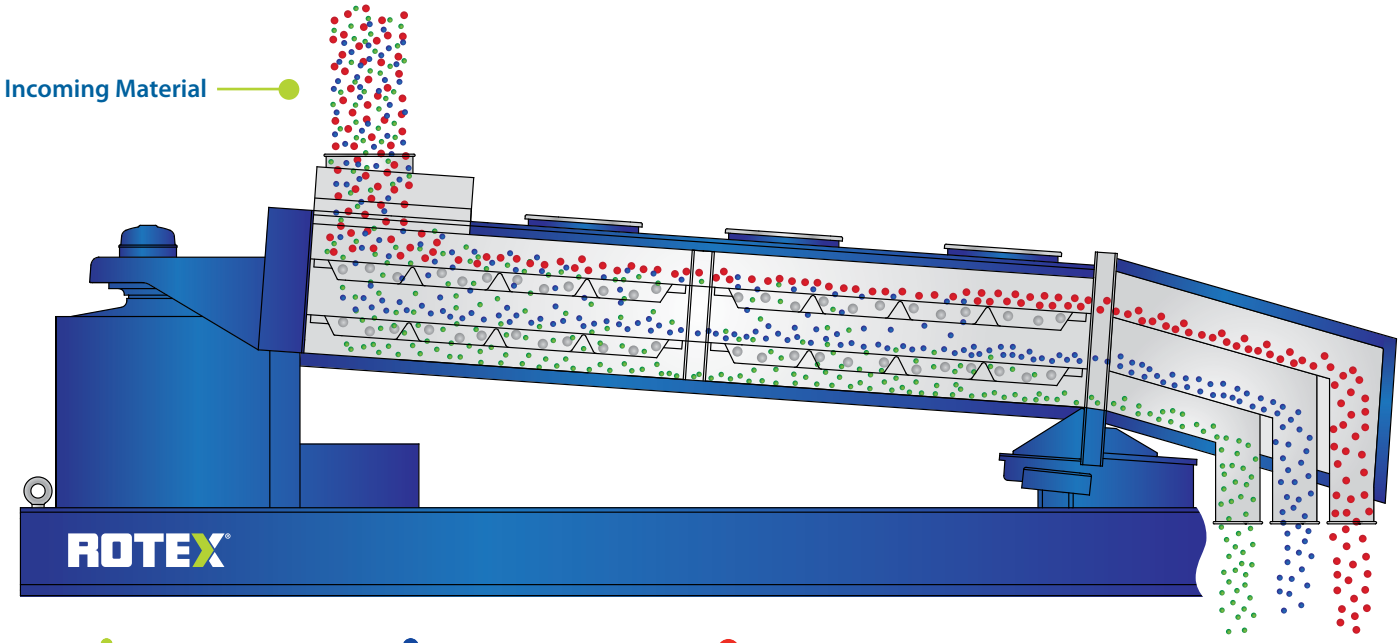
- Free confidential laboratory testing
- Comprehensive separation analysis
- Easy-to-understand summary report
- Our experienced Lab Technicians and Application Engineers will recommend the machine size, settings and screen openings to ensure accurate, efficient separations.

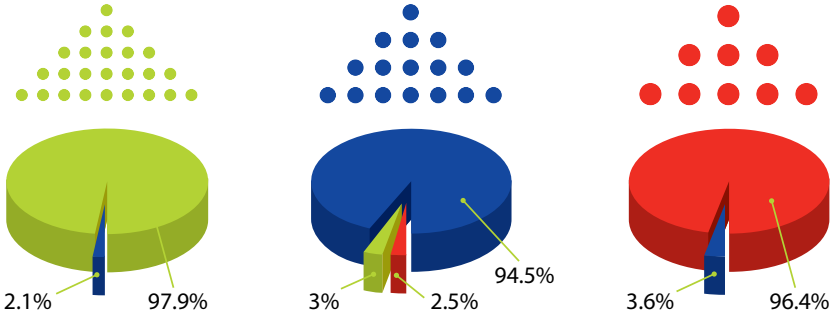
" The Apex Screener enables a single operator to manage and service a number of screeners, this results in reduced operating costs as we redirect resources elsewhere."

Production Manager - *Industrial Mineral Processor*

Over 500 Apex™ Screeners are installed worldwide

APEX™ Benefits





Fines Product Overs

Fines Product Overs

Apex Screeners produce the highest yields of consistent on-spect product

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

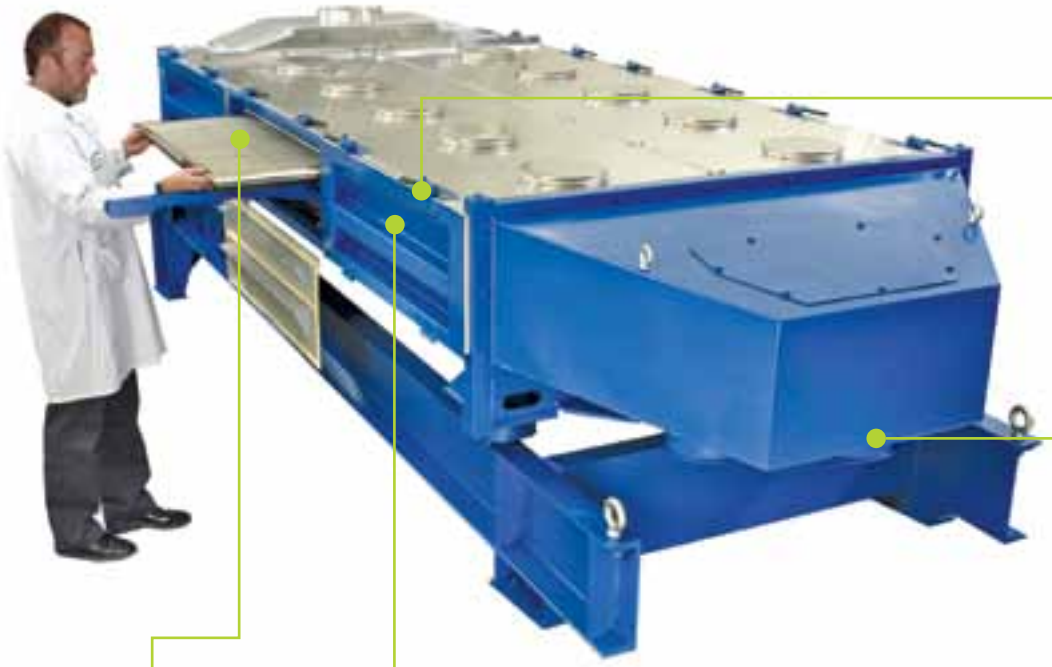
Reciprocating motion at the discharge end

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

Apex™ Benefits

- Ergonomic and lightweight design eliminates need for multi-person maintenance crews and overhead hoists
- Pretensioned screen panels and side mounted access doors reduce downtime
- Easy access connecting sleeves located at discharge end
- Unique Rotex Gyratory Reciprocating motion yields exceptional product recovery

APEX™ Features



Quick Access Doors
No wrenches are required to open doors for screen inspection or maintenance

Reduced Maintenance
Easy access to discharge sleeves reduces downtime

Positive Screen Cleaning
Bouncing balls keep screen openings clear, maintaining efficiency and capacity

Ergonomic Design
Large access doors allow one person to change a screen panel in less than 2 minutes

Installation Options

Floor Mounting

Because counterbalanced drives provide for low transmitted forces, the Apex can be mounted directly on the floor or on an elevated structural steel framework.

Cable Suspension

Apex Screeners can be cable-suspended from the four corners of the machine, thereby isolating out-of-balance screening forces from the surrounding structure. Accurate counterbalancing of the Apex Screener makes this type of installation option possible. The Apex Screener can be suspended from a floor-mounted cable support stand or existing overhead structure.

Contact your local Rotex representative who will recommend a stand for any specific application.

Add Aspiration for Additional Cleaning of Your Material

Most Apex Screeners can be equipped with aspiration hoods to remove dust and other light material. These hoods allow air to be pulled over the falling product stream and are adjustable for various products and rates.

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

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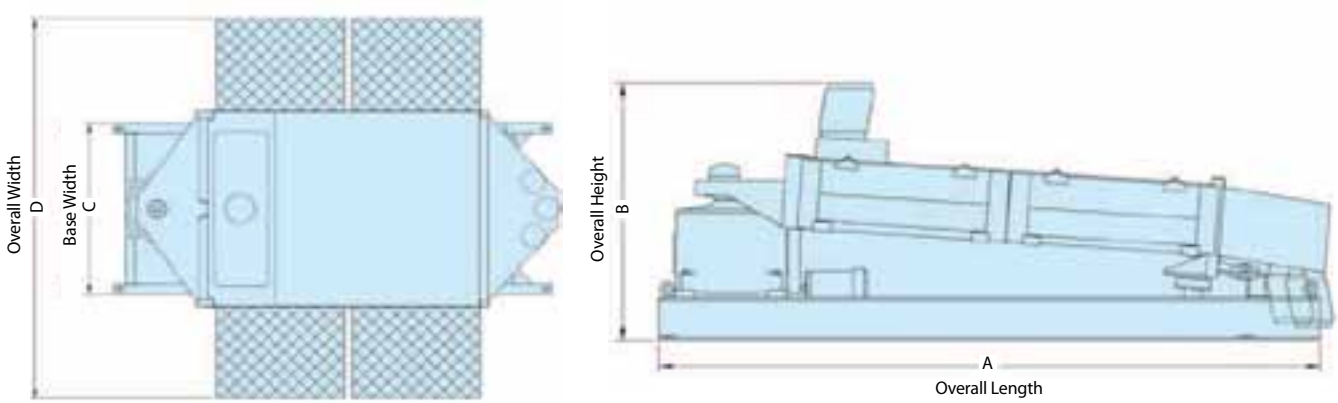
APEX™ Specifications



The following specifications are for Apex Screeners of standard construction, ranging from a single surface models (two grades – one separation) to a three surface models (four grades – three separations). Drawings are representative, but overall dimensions may vary depending on the mounting method.

No. of Screen Surfaces	Apex™ Model No.	Total Nominal Area		Motor		Principal Dimensions								Shipping Weight	
						A		B		C		D			
		ft²	m²	hp	kW	in	mm	in	mm	in	mm	in	mm	lb	kg
Standard footprint machine															
1	9-1*	9	0.8	2	1.5	91	2311	44	1118	36	914	67	1702	1700	771
	18-1*	18	1.7	2	1.5	143	3632	47	1194	36	914	69	1753	2000	907
	35-1	35	3.3	3	2.2	150	3810	55	1397	60	1524	132	3353	3800	1723
	35C-1†*	35	3.3	3	2.2	150	3810	72	1829	36	914	68	1727	4100	1859
	55-1	55	5.1	5	3.7	195	4993	58	1473	60	1524	132	3353	4500	2041
	70-1†	70	6.5	7.5	5.6	174	4420	79	2007	60	1524	132	3353	6900	3129
	110-1†	110	10.2	10	7.5	222	5639	81	2057	73	1854	132	3353	10500	4762
2	9-2*	9	0.8	2	1.5	109	2769	50	1270	36	914	67	1702	1800	816
	18-2*	18	1.7	3	2.2	156	3962	60	1524	36	914	69	1753	3500	1587
	35-2	35	3.3	5	3.7	172	4369	62	1575	60	1524	132	3353	4400	1995
	55-2	55	5.1	7.5	5.6	214	5436	70	1778	60	1524	132	3353	7200	3265
	70-2†	70	6.5	10	7.5	185	4699	90	2286	73	1854	132	3353	11000	4989
	110-2†	110	10.2	10	7.5	231	5867	94	2388	73	1854	132	3353	13500	6122
3	18-3*	18	1.7	3	2.2	159	4039	68	1727	36	914	69	1753	3800	1723
	35-3	35	3.3	7.5	5.6	177	4496	73	1854	60	1524	132	3353	7000	3175
	55-3	55	5.1	10	7.5	234	5944	75	1905	73	1854	132	3353	10500	4762
4	55-4	55	5.1	10	7.5	234	5944	86	2184	73	1854	132	3353	13500	6122
Larger footprint machine															
1	7lL-1	71	6.6	7.5	5.6	Contact Rotex for details									
	95L-1	95	8.8	10	7.5	290	7366	73	1854	89	2261	164	4166	10500	4762
2	71L-2	71	6.6	10	7.5	250	6350	82	2083	89	2261	164	4166	11000	4989
	95L-2	95	8.8	10	7.5	290	7366	85	2159	89	2261	164	4166	12500	5669
3	71L-3	71	6.6	10	7.5	244	6198	76	1930	89	2261	164	4166	13000	5896

† Indicates two deck independently fed ("stacked") design
* Indicates access from one side only

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