ROTEX®
HIGH PERFORMANCE SCREENERS

Maximum efficiency. Minimal downtime.

The APEX™ industrial screener boasts extremely precise product separations (thanks to Gyratory Reciprocating Motion and a sleek ergonomic design that enables one-person inspections and maintenance. Increase profitability and safety while decreasing downtime with APEX™.

APEX™ Industrial Separator

FEATURES

Pre-tensioned Screen Panels

Each panel is individually tensioned and sealed, ensuring perfect tension and a fresh seal on every screen.

Side Access Doors

Access any individual deck independently for inspection and maintenance.

Tail-end Discharge Chute

Heavy-duty discharge chute directs separated fraction flows to desired outlet locations. Available with or without aspiration, hinged access and dust-vent connections.

Toolless Cams

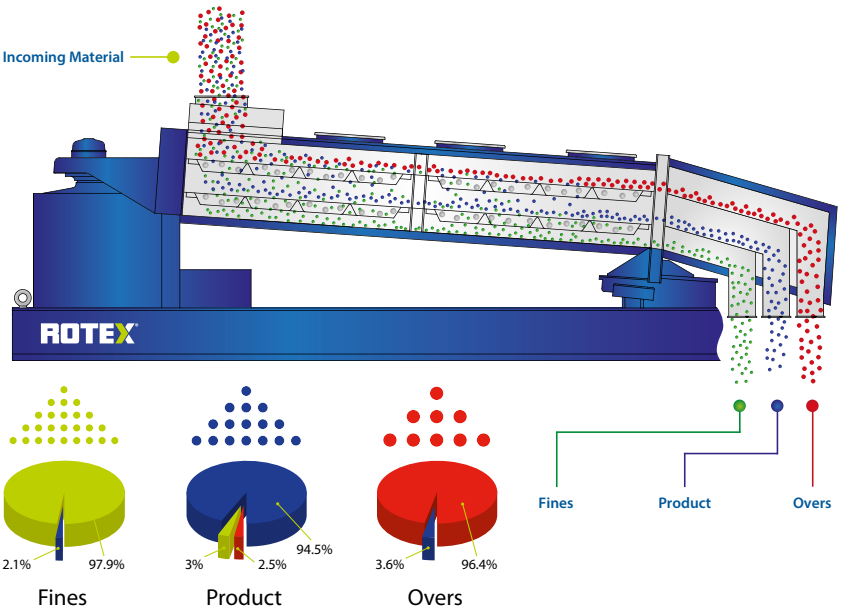
No tools are required for screen change outs, ensuring proper installation every time. Poka-yoke design eliminates the possibility of incorrect installation, improving the life of your screener.

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.

Three motions. One machine.

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



BENEFITS

Quick Screen Changes

Side access doors and pre-tensioned panels allow one operator to change the entire machine in minutes.

More Uptime, More Profit

Easy inspection and maintenance results in reduced screening costs and increased productivity.

Increased Screening Performance

All Rotex machines deliver greater efficiencies, superior particle accuracies and higher yields.

Longevity and Durability

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

PRODUCT OPTIONS

Aspiration Discharge Chutes

- Remove unwanted, lightweight particles from the product stream.
- Adjust for various products and rates.
- Product has less foreign material and dust exposure is reduced.
- Multiple fraction aspiration options are available.

Cleanable APEX™

- The legendary APEX™ ergonomics are combined with a sanitary design.
- Design includes polished internal welds, FDA seals and grease, and stainless steel construction.
- The cleanable APEX™ is best suited for applications such as pet food, sugar, salt, rice and more.

INSTALLATION

Floor Mounting

Because the APEX™ counterbalanced drive has low transmitted forces, the APEX™ can be floor-mounted in properly designed structures, a design feature unique to this type of equipment.

Cable Suspension

APEX™ Screeners can be cable-suspended from the four corners of the machine, thereby isolating screening forces from the surrounding structure. Note that certain APEX™ models can only be cable-suspended.

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.

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

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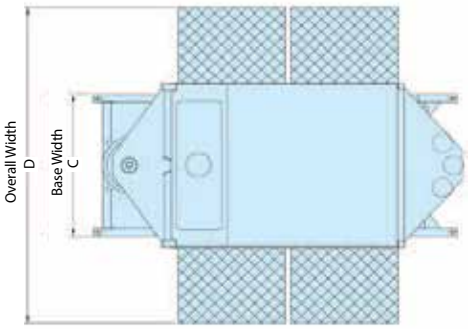
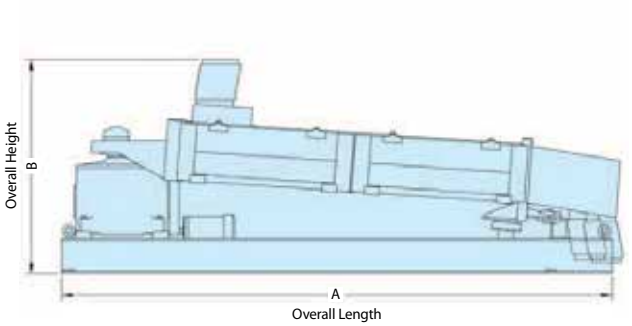
› APEX™ Specifications





The following specifications are for Apex Screeners of standard construction, ranging from single surface models (two grades – one separation) to 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.	Drive Head Series	Total Nominal Area		Screen Motion			Motor		Principal Dimensions								Shipping Weight	
					Stroke		Speed			A		B		C		D			
			ft²	m²	in	mm	rpm	hp	kW	in	mm	in	mm	in	mm	in	mm	lb	kg
Machines using original screen panel size																			
1	9-1*	30	9	0.8	2.5	64	252	2	1.5	91	2311	44	1118	36	914	67	1702	1700	773
	18-1*	30	18	1.7	2.5	64	252	2	1.5	143	3632	47	1194	36	914	69	1753	2000	909
	35-1	80	35	3.3	3	76	216	3	2.2	150	3810	55	1397	60	1524	132	3353	3800	1727
	35C-1†*	80	35	3.3	3	76	216	3	2.2	150	3810	72	1829	36	914	68	1727	4100	1864
	55-1	80X	55	5.1	2.5	64	240	5	3.7	195	4953	58	1473	60	1524	132	3353	4500	2045
	70-1†	50	70	6.5	3.5	89	200	7.5	5.6	174	4420	79	2007	60	1524	132	3353	6900	3136
	110-1†	70	110	10.2	3.5	89	200	10	7.5	222	5639	81	2057	73	1854	132	3353	10500	4773
2	9-2*	30	9	0.8	2.5	64	252	2	1.5	109	2769	50	1270	36	914	67	1702	1800	818
	18-2*	80	18	1.7	3	76	216	3	2.2	156	3962	60	1524	36	914	69	1753	3500	1591
	35-2	80X	35	3.3	2.5	64	240	5	3.7	152	3861	62	1575	60	1524	132	3353	4500	2045
	55-2	50	55	5.1	3.5	89	200	7.5	5.6	214	5436	70	1778	60	1524	132	3353	7200	3273
	70-2†	70	70	6.5	3.5	89	200	10	7.5	185	4699	90	2286	73	1854	132	3353	11000	5000
	110-2†	70	110	10.2	3.5	89	200	10	7.5	231	5867	94	2388	73	1854	132	3353	13500	6136
3	9-3*	80	9	0.8	3	76	216	3	2.2	114	2896	66	1676	36	914	70	1778	2700	1227
	18-3*	80	18	1.7	3	76	216	3	2.2	159	4039	68	1727	36	914	69	1753	3800	1727
	35-3	50	35	3.3	3.5	89	200	7.5	5.6	177	4496	73	1854	60	1524	132	3353	7000	3182
	55-3	70	55	5.1	3.5	89	200	10	7.5	234	5944	75	1905	73	1854	132	3353	10500	4773
4	55-4	70	55	5.1	3.5	89	200	10	7.5	234	5944	86	2184	73	1854	132	3353	13500	6136
Machines using larger screen panel size																			
1	12L-1*	30	12	1.1	2.5	64	252	2	1.5	104	2642	45	1143	44	1118	83	2108	1700	773
	24L-1*	80	24	2.2	3	76	216	3	2.2	150	3810	53	1346	44	1118	85	2159	3500	1591
	24LC-1†*	80	24	2.2	3	76	216	3	2.2	106	2692	70	1778	44	1118	85	2159	3500	1591
	36L-1*	80	36	3.3	3	76	216	3	2.2	201	5105	64	1626	44	1118	85	2159	3800	1727
	48LC-1†*	80	48	4.5	3	76	216	3	2.2	154	3912	75	1905	44	1118	85	2159	4200	1909
	71LH-1	50	71	6.6	3.5	89	200	7.5	5.6	225	5715	74	1880	76	1930	163	4140	9300	4227
	95LH-1	70	95	8.8	3.5	89	200	10	7.5	287	7290	78	1981	89	2261	163	4140	12,000	5455
	142LH-1†	70	142	13.2	3.5	89	200	10	7.5	266	6756	83	2108	89	2261	163	4140	13,000	5909
	190L-1†	70	190	17.6	3.5	89	200	10	7.5	298	7569	80	2032	89	2261	163	4140	15,000	6818
2	12L-2*	30	12	1.1	2.5	64	252	2	1.5	112	2845	51	1295	44	1118	83	2108	2000	909
	24LH-2*	80	24	2.2	3	76	216	3	2.2	163	4140	70	1778	44	1118	85	2159	4100	1864
	36L-2*	80X	36	3.3	2.5	64	240	5	3.7	216	5486	64	1626	45	1143	85	2159	4400	2000
	48L-2	50	48	4.5	3.5	89	200	7.5	5.6	182	4623	61	1549	89	2261	163	4140	7500	3409
	71L-2	70	71	6.6	3.5	89	200	10	7.5	240	6096	90	2286	90	2286	165	4191	11,000	5000
	71LH-2	70	71	6.6	3.5	89	200	10	7.5	250	6350	86	2184	89	2261	163	4140	12,300	5591
	95LH-2	70	95	8.8	3.5	89	200	10	7.5	290	7366	90	2286	89	2261	164	4166	14,600	6636
3	12L-3*	80	12	1.1	3	76	216	3	2.2	115	2921	67	1702	44	1118	85	2159	3450	1568
	24L-3*	80	24	2.2	3	76	216	5	3.7	166	4216	70	1778	44	1118	85	2159	4166	1894
	36L-3*	50	36	3.3	3.5	89	200	7.5	5.6	236	5994	73	1854	45	1143	85	2159	7400	3364
	71L-3	70	71	6.6	3.5	89	200	10	7.5	244	6198	76	1930	89	2261	164	4166	13000	5909
4	24L-4*	50	24	2.2	3.5	89	200	7.5	5.6	188	4775	80	2032	45	1143	85	2159	7200	3273
	36L-4*	50	36	3.3	3.5	89	200	7.5	5.6	236	5994	80	2032	45	1143	85	2159	8000	3636

L Indicates use of 38"x45" (965 mm x 1143 mm) panels
† Indicates two deck independently fed ("stacked") design

* Indicates access from one side only
Note that models with 80X drive head has 2.5"/64mm diameter stroke

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