

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.

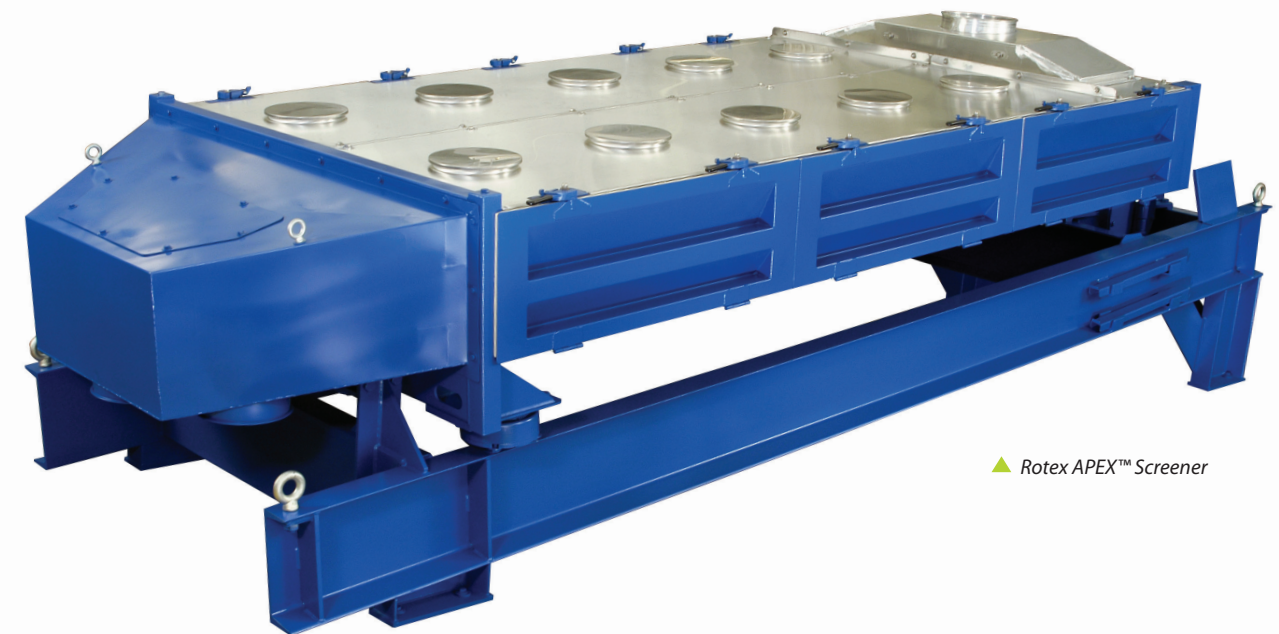
| No. of Screen Surfaces | Apex™ Model No. | Total Nominal Area | | Motor | | Principal Dimensions | | | | | | | | Shipping Weight | |
|------------------------------|-----------------------|-----------------------|------|-------|-----|---------------------------|------|----|------|----|------|-----|------|-----------------|------|
| | | | | | | 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 |
| 2 | 110-1† | 110 | 10.2 | 10 | 7.5 | 222 | 5639 | 81 | 2057 | 73 | 1854 | 132 | 3353 | 10500 | 4762 |
| | 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 |
| 3 | 110-2† | 110 | 10.2 | 10 | 7.5 | 231 | 5867 | 94 | 2388 | 73 | 1854 | 132 | 3353 | 13500 | 6122 |
| | 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 |
| 4 | 55-3 | 55 | 5.1 | 10 | 7.5 | 234 | 5944 | 75 | 1905 | 73 | 1854 | 132 | 3353 | 10500 | 4762 |
| | 55-4 | 55 | 5.1 | 10 | 7.5 | 234 | 5944 | 86 | 2184 | 73 | 1854 | 132 | 3353 | 13500 | 6122 |
| Larger footprint machine | | | | | | | | | | | | | | | |
| 1 | 71L-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

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

High Efficiency Performance, Ergonomic Design

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



 Rotex 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.

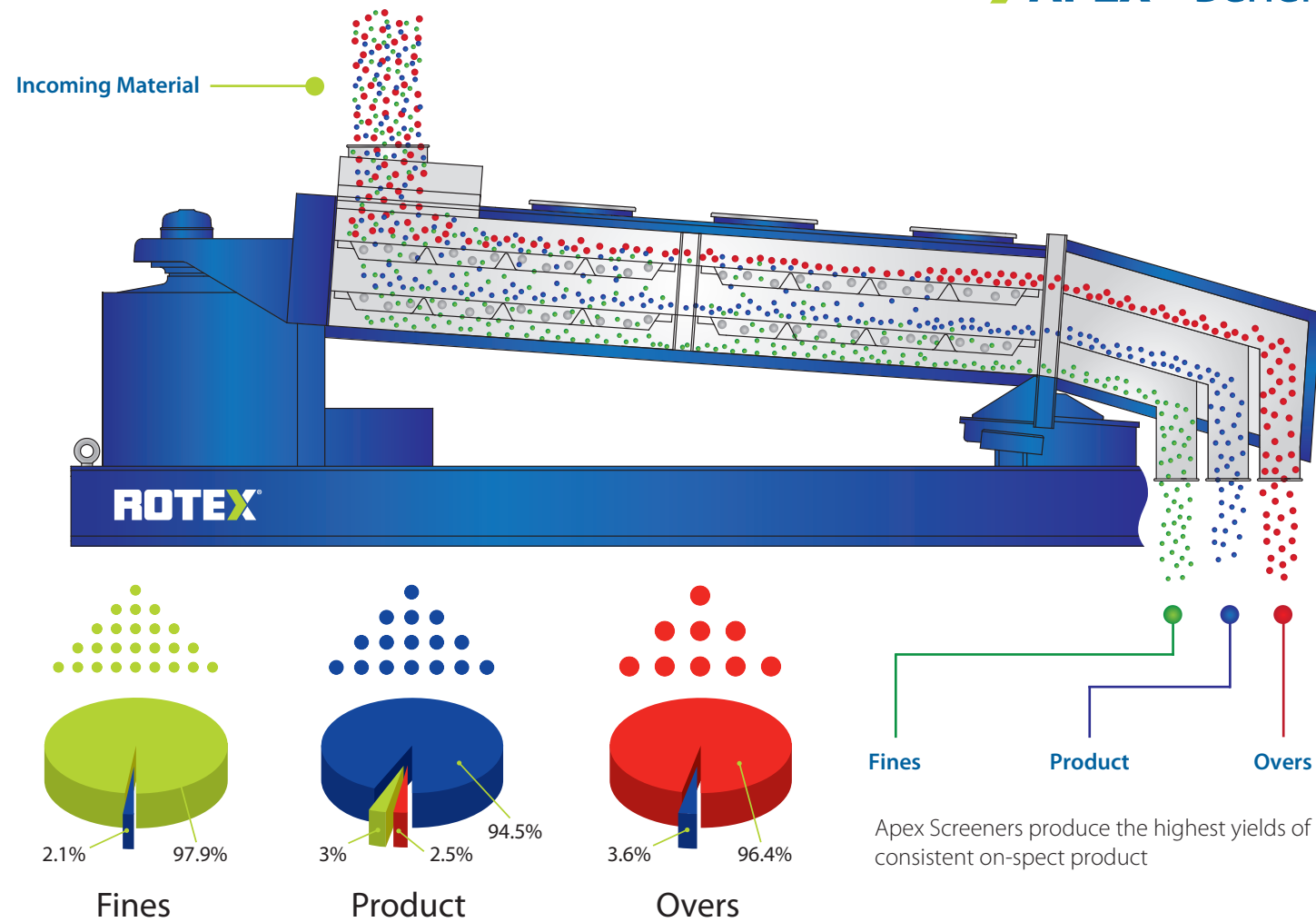
“ The Apex Screener enables a single operator to manage and service a number of screeners, this results in reduced operating costs as we redirect resources elsewhere.”

Production Manager - Industrial Mineral Processor

 Over 500 Apex™ Screeners are installed worldwide



> APEX™ Benefits



Gyratory Reciprocating Motion



The Gyratory-Reciprocating motion gradually changes along the length of the deck to an elliptical path and finally to a straight line action at the discharge end.

Circular motion at the feed end

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

Changing to elliptical motion at the middle section

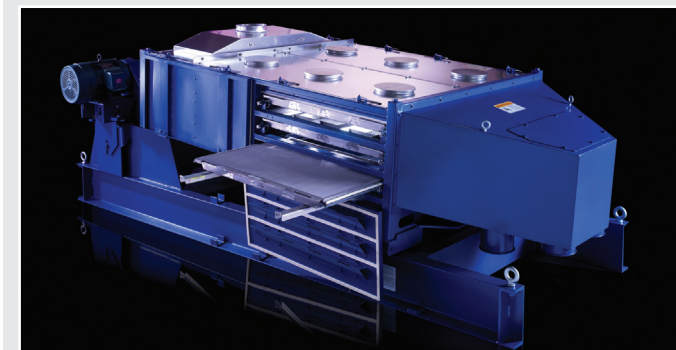
- Long stroke elliptical action
- Enhances stratification
- Conveys material at high capacity

Straight line motion at the discharge end

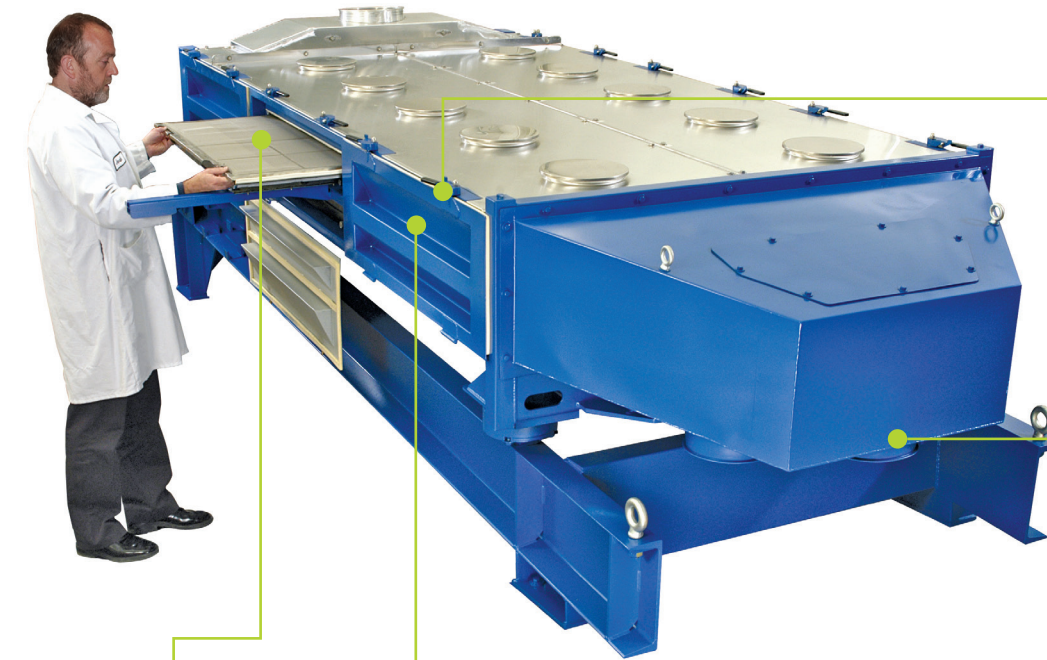
- Linear sifting motion
- Removes near-size particles
- Improves screening efficiency
- No vertical component ensures material is in constant contact with the screen surface

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.



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