

APEX™ Dry Separation Screener

The new APEX screener is designed for efficient performance, quick and easy maintenance and cleaning, and increased process "up-time" within your production line!



Quality Construction.

Lift cams and positive sealing.

Features and Benefits

ROTEX® gyratory-reciprocating motion

- Quality product and unmatched product recovery efficiency
- Increased profits

Side access to screens and ball trays

- Increased "up-time" – increased production
- Quick easy seal and screen inspection and changes by one person

Screens weigh 2.5 kg.

Screen frame / Ball tray weighs less than 20 kg.

- Labor savings and increased employee goodwill

Easy access to outlets

- Quick sleeve changes and labor savings

Modular panels (interchangeable between machines)

- Only necessary to change the section of screen that is worn
- Same panel can be used in all size APEX machines
- Can tweak machine performance with different screen openings

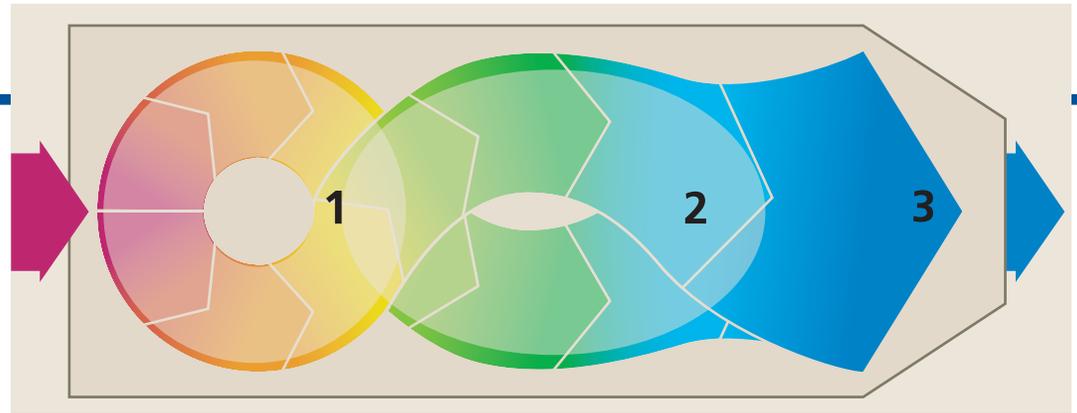


New side access doors enable screen changes in less than two minutes per panel.



Gyratory Motion

Gyratory-reciprocating motion rapidly distributes, stratifies, and separates particles as they move across the screens to the discharge end.



- 1. CIRCULAR MOTION AT FEED END** The gyratory motion at the feed end of the machine immediately spreads the material across the full width of the screen surface to maximize screen utilization. At the same time, this motion stratifies the material, causing the fines to sink down against the screen surface. The particles that are appreciably smaller than the openings quickly pass through at this part of the screen.
- 2. CHANGING TO ELLIPTICAL MOTION AT CENTER** As the circular motion diminishes into an elliptical path, the gentle near-horizontal motion causes the fine particles closer in size to the screen mesh—near-size particles—to fall through the mesh openings.
- 3. STRAIGHT-LINE MOTION AT DISCHARGE END** The nearly linear reciprocating motion at the discharge end of the APEX Screener removes those particles closest in size to the mesh openings while gently conveying the oversize material off the screen.



With a new ergonomic design, the APEX can easily be maintained by just one person.



Easy access to discharge outlets.



Balls reduce blinding of near-size material.

APEX™ Screeners are production screening machines for separating dry materials according to particle size. Through their unique gyratory motion of the near-horizontal screen surface, combined with a positive screen mesh cleaning system, the APEX™ provides unusually high efficiency and capacity.

The APEX™ is ideal for applications in the following industries:



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