

# ROTEX<sup>®</sup> Minerals Separator<sup>™</sup>

Smart Solutions For The Potash Industry

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The new ROTEX<sup>®</sup> Minerals Separator<sup>™</sup> was specifically designed to meet the demanding screening requirements of the potash industry. The Minerals Separator provides unsurpassed screening performance when sharp separations and high efficiencies are required. The Minerals Separator is able to maximize product recoveries at material temperatures up to 400°F (205°C).

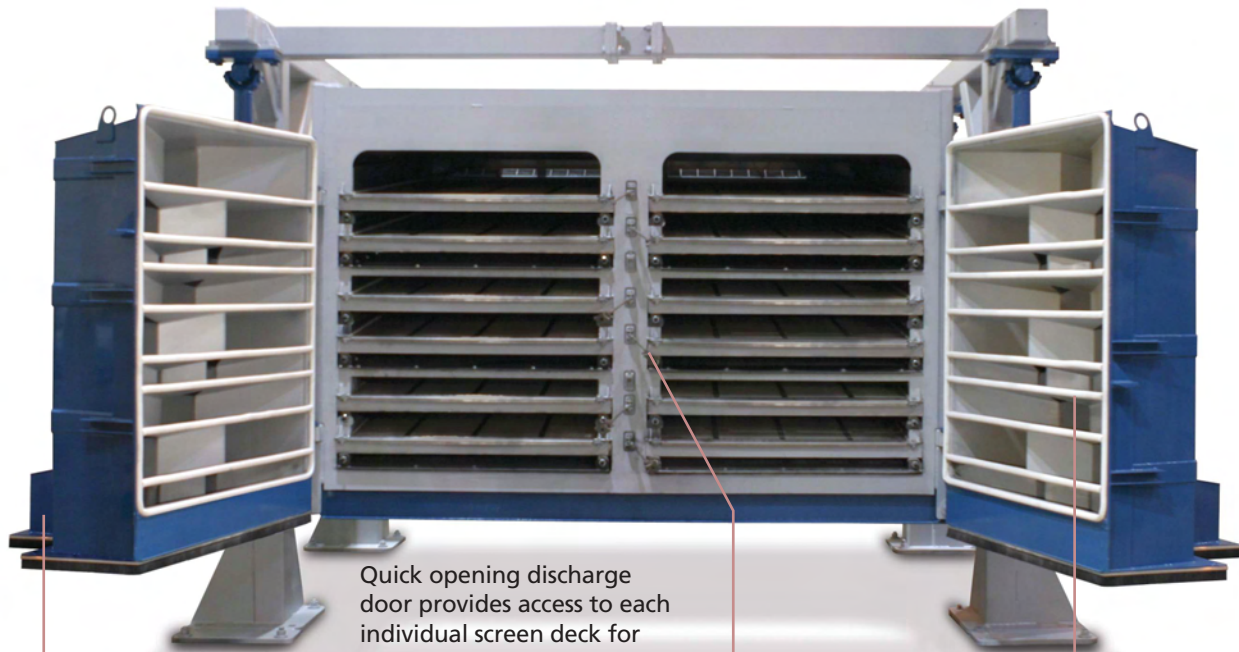


## Superior Performance in Potash

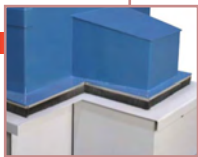
- Higher capacity per square foot of screen cloth in a compact footprint.
- Screen deck slope of 6° to meet demanding SGN and UI specifications and maximize screen efficiency.
- External drive cartridge allows continuous operation up to 400°F (205°C).
- Abrasion resistant steel construction and 'rockbox' landing areas for continuous impact on high-wear surfaces.
- Single or double inlet plenum options with sliding inlet connections with long life Teflon<sup>™</sup> wear rings.

The unique elliptical – linear motion of the Minerals Separator provides unsurpassed screening performance through:

- Equal feed distribution to all screen decks
- Uniform bed depth across entire screen surface
- Aggressive blinding control with durable metal spring balls



Quick opening discharge door provides access to each individual screen deck for inspection or change out.



### Discharge System

- Unique sleeveless brush system and discharge vent connection for added dust control without connecting sleeves.



### Patented Cam Lift Rail

- Internal lining rails with patented Lift-Rail system with non-binding stainless steel cam activation for easy screen frame installation and removal.

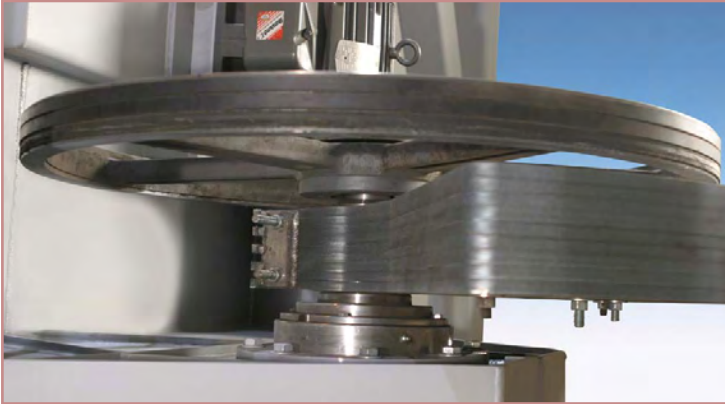
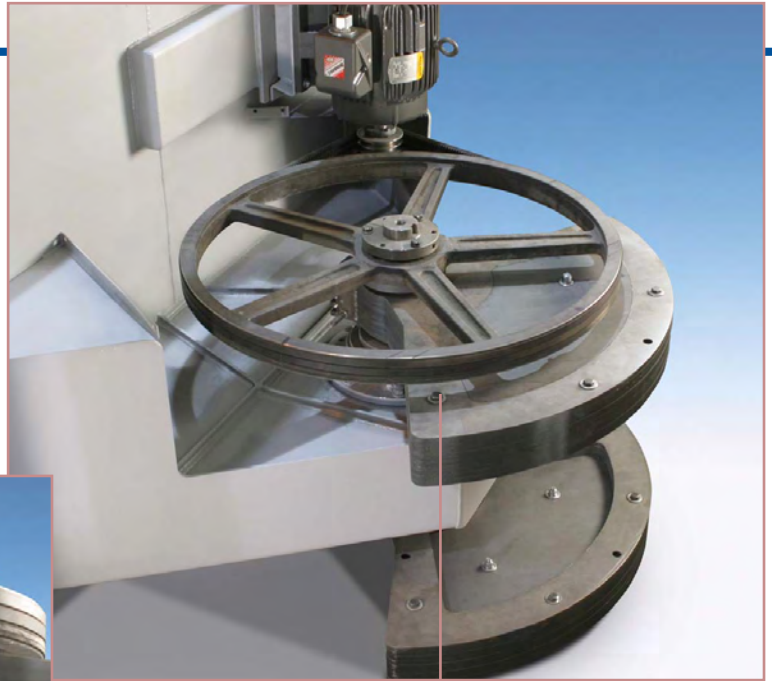


### Universal Sealing System

- Newly developed silicone D seals with easy press fit (no adhesives) for exceptional sealing between screen decks for fine separation.

## Drive & Suspension

- Easily accessible external drive.
- Single reaction cartridge with two spherical roller bearings – designed for 200,000 hours of service.
- Support shaft suspension system with industrial U-joint bearings and no maintenance, low, torsion center springs.
- Optional floor mounted suspension stand for installations without overhead support.



▼ Drive located externally in rear of Minerals Separator.

## Single Screen Access

Stacked multiple deck, tray-access design allows individual screen access without the need to remove all decks. Single deck screen change in 10 minutes. All 12 decks in 2 hours.

## The Smart Solution

The ROTEX® Minerals Separator is ideal for applications in mined minerals and abrasives such as:

- Potash
- Sand
- Salt
- Clay
- Borax



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