



## Rotex: Unmatched Separation Performance

Each salt screening process presents its own challenges. Whether mined or evaporated (solar or vacuum), Rotex High Performance Screeners have served the salt industry for nearly 100 years with the separation solution for each application's challenges.

Salt often has a wide particle size distribution that is separated into products ranging from coarse sizes used in ice control to fine crystals for food preparation. Accurate separation into specified products is a critical processing step.

Rotex Screeners achieve accurate separations efficiently with ergonomic features and time-tested designs for years of reliable service. Rotex has the experience to understand your requirements and challenges. Talk to the experts!

### Rotex Benefits for Salt Producers:

- Consistent product quality to meet stringent specifications for all grades  
*One multi-deck machine produces several products*
- High product recovery compared with other screeners  
*Higher efficiency = Higher Yield = More Product Shipped*
- High capacity in a single screener – up to 250 tph for oversize and fines removal of deicing products  
*Minimize process footprint and capital cost*
- Models designed for demanding process conditions  
*Corrosion-resistant and abrasion-resistant construction with aggressive blinding control*
- Rugged long-life design  
*Proven, reliable performance for 24/7 operation*

### FREE MATERIAL ANALYSIS

**Over 100 years of proven correlation between lab test results and actual field performance:**

- Experienced Lab Technicians and Application Engineers recommend machine size, settings and screen openings to ensure accurate, efficient separations
- Comprehensive separation analysis
- Summary report provides data to support ROI decisions

➤ **Over 6,000 Rotex Screeners installations worldwide**

## 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

## It is the Motion that Provides the Performance

### Rotex Motion means:

- Effective near-size removal for the highest Accuracy and Efficiency
- Spreads material across the full width of the screen surface, eliminating the need for additional feeding equipment
- Effective ball mesh cleaning to reduce blinding for greater uptime

### Custom designs offer:

- Materials and construction that can handle temperatures up to 400°F/204°C
- Abrasion protection for maximum life of critical components



▲ Minerals Separator™



▲ Apex™ Screener



▲ Rotex® Screener

