



Rotex Screeners are the choice of Ceramic Proppants Producers worldwide

ROTEX has been screening ceramic proppants since they were first introduced to the drilling industry. Rotex Screeners provide accurately sized proppants and efficient separations. The durable construction and maintenance friendly design increases plant uptime, adding capacity and value.

Accurately sizing ceramic proppants at today's high capacity requirements demands a high performance screener with a long stroke, gyratory reciprocating motion. ROTEX offers a range of high performance screeners to fit your production needs and the needs of this application.

Rotex Benefits for Ceramic Proppants Applications

- **Consistent product quality to meet stringent size specs**
Multiple grades (20/40, 30/50, 40/70) from one machine
- **Highest product recovery efficiency compared with other screening technology**
Higher Efficiency = Higher Yield = More Product Shipped
- **High throughput tonnage in a single machine**
Minimize process footprint and capital cost of new plant
- **Models engineered specifically for demanding process conditions**
Durable designs for reliable 24/7 operation
- **Aggressive blinding control for uniform quality and output**

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

➤ **Rotex has hundreds of installations serving Proppant Producers worldwide since 1982.**

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

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