



## Rotex: Unmatched Separation and Product Yields

Rotex High Performance Screeners provide accurate separations of plastic pellets across the product spectrum. Unique design features that have been incorporated through years of customer-driven innovation and our deep product/process knowledge makes Rotex the smart choice for your separation needs.

### Rotex Benefits for Plastic Producers:

- Effective removal of oversize doubles and triplets without loss of good pellets. Because Rotex uses a combination of gyratory/reciprocating motion the pellets don't "jump" down the deck and will more efficiently go through the oversize deck
- The gyratory /reciprocating motion promotes quick stratification of the material settling fines rapidly to the bottom to be easily separated from the pellets
- The Rotex ball mesh cleaning system positively clears the pellets from the screen openings. For oversize removal any plugging of the screen will make good pellets be lost with the overs and fines removal blinding will keep undesired fines in the pellets.
- Motor HP requirements are less on a Rotex. In addition Rotex uses standard frame motor. This makes the machine operation more dependable, ideal for lights-out production lines.
- With design flexibility in inlet/outlets positions and sizes, Rotex screeners can easily be fit your layout.
- Because of high efficiency screening motion Rotex generally requires less screening area for a given capacity than a vibration screen.

### 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



▲ Plastic Pellet Screener

➤ **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 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:**

- Outlet flexibility to fit existing layouts
- Easy-to-clean, fully sanitary construction



▲ Plastic Pellet Screener



▲ Apex™ Screener



▲ Rotex® Screener

