

# ROTEX<sup>®</sup> | GROUP

ROTEX BM&M



## Rotex Group: Unmatched Product Quality and Product Yields

Rotex High Performance Screeners provide accurate separations for the plastics processing industry. Efficient removal of "longs" and "toothpicks" due to horizontal plane and long stroke motion which keeps elongated material lying flat on the screen. This keeps the "longs" and "toothpicks" from up-ending and passing with the good pellets as they tend to when exposed to a vibratory motion with a vertical component. Gyrotory-reciprocating motion promotes effective material stratification so the finer material is exposed to the screen opening and falls to the fines fraction.

### Benefits for Plastic Compounders:

- **Consistent product quality to meet stringent specifications**  
*Are the blades of the pelletizer becoming dull? The Rotex screener rejects the "longs" and "triples"*
- **High product recovery**  
*Higher efficiency means better recovery of on-size pellets*
- **Models designed for compounding process conditions**  
*We understand quick screen change & clean out is needed when changing product campaigns. Single deck units with both oversize and fines removal available*
- **Maximum Uptime**  
*Aggressive blinding control to continue operation without shutting down to clear screen deck of troublesome off-size material*
- **Customized to fit your process requirements**

### 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 Group Screener Installations Worldwide.**

### GYRATORY-RECIPROCATING MOTION

The Gyrotory-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

#### 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.



### Engineered for a Wide Range of Capacities and Ergonomic Operation

- Customised for your layout and process conditions
- Ergonomic operation
- Long service life

### The Motion that Provides the Performance

#### Rotex Motion means:

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



▲ Plastic Pellet Screener



▲ Apex™ Screener



▲ Rotex® Screener

