

# ROTEX<sup>®</sup> | GROUP

ROTEX<sup>®</sup> BM&M



## Rotex Group is the choice for screening recycled products

With over 180 years of screening expertise, on a vast range of dry granular materials, Rotex have built on their screening success to help clients create profitable recyclable materials.

Recycling is a massive growing market and due to the nature of the greener future, there is a need to recover as much re-useable material from waste as possible. While it is not always the case this may mean low value products and therefore maximum efficiency & yield is needed. Safe working, low power requirement, minimization of downtime, & maintenance manpower can be critical when selecting operating machinery. Rotex machines have been developed to focus on all these points and provide their clients with machines that will operate successfully for up to 40 years

### Benefits for Recycling Processors

- **Process screener solutions**  
*Rugged design – quick screen access – proven reliability*
- **Reduced Downtime**  
*Ergonomically design – rapid screen changes – reduce labour costs*
- *Minimize capital cost of new plant expansion or plant upgrade*
- **Total solutions and total support**  
*Unmatched application expertise and aftermarket support*

### 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

**The Rotex Group range covers screeners from as low as 0.5m<sup>2</sup> to over 33m<sup>2</sup> in a single machine.**

## MACHINE BENEFITS

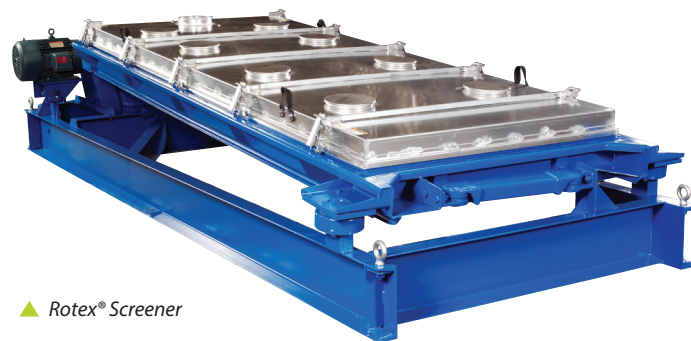
### Engineered for High Capacity and Ergonomic Operation

- Compact footprint
- Easy access to screens
- Rugged construction
- Low energy consumption

## WIDE RANGE OF APPLICATIONS

The unique flatbed gyratory motion has been proven to create highly accurate products along with high efficiency & yields in fields such as:

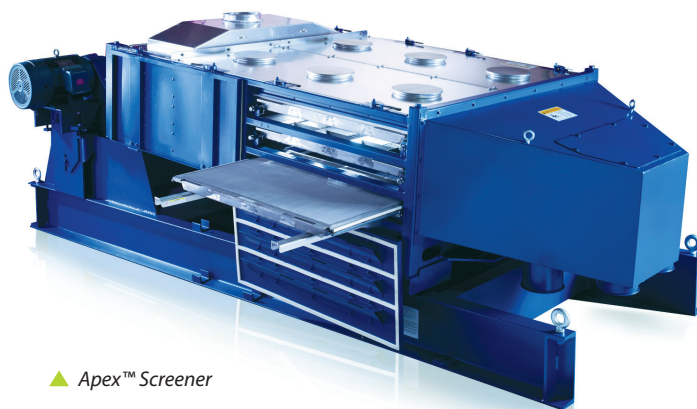
- **Glass** – Since glass is very similar to sand the screening of materials from 5mm down to less than 0.1mm is regularly undertaken with superb results. Efficiencies of over 95% are commonly achieved on grades requiring tight tolerances & high volumes.
- **Rubber** – The gyratory motion of the Rotex is ideal for balling up the free fibre from rubber shred whilst at the same time grading the product accurately.
- **Animal by-products** – In a similar way to Rubber the gyratory action of the Rotex can be used to remove both hair & bone from meat & bone meal & leave a clean saleable product.
- **Bio-mass** – Dust removal can be critical in import systems to minimise the risk of explosions. Rotex machines can be used to remove very high percentages of dust from bio-mass pellets at very high volumes within a single Atex rated machine.
- **Plastics** – Longs removal, waste shred separation by size.
- **Municipal Waste** – Development of the Taper finger type screen allows for separation of waste products without the hang up that can occur when using mesh type screens.
- **Metals & Aluminium recovery from slag** – The taper finger type screens are highly efficient in separating slag waste from molten steel & alloy residue. Due to their overlapping taper fingers the product is encouraged to pass along the deck without the opportunity to snag on mesh wires.



▲ Rotex® Screener



▲ Megatex XD™



▲ Apex™ Screener