

CONVEYING AND SCREENING CARBON BLACK



Design Requirements

1. Product Type: Pelletized Carbon Black
2. Material Density: 30 pounds per cubic foot
3. Capacity: 2,400 pounds per hour
4. Temperature: 250 degrees F
5. Pan Stroke: 1/2"
6. Eccentric Speed: 600 RPM
7. Conveyor Pan Size: 24" W x 16 3/4" D x 14'-11 1/4" L

Customer Challenge

A recycling technology company needed to recover carbon black from recycled tires. The company needed to screen overs (+3/16") and fines (-60 mesh) from pelletized carbon black.

Triple/S Solution

Simple, low cost unbalanced conveyor design (RLU). Low profile design to fit customer's installation. Ball deck to prevent blinding of 60 mesh screen. Stainless steel construction. Removable covers and screens for cleaning access.

Triple/S and the Customer

The RLU is a two-way conveyor. Conveying and Screening in one unit. This is the second unit purchased by this customer.