

CONVEYING INCINERATOR ASH



Design Requirements

1. Product Type: Ash
2. Material Density: 15-25%
Moisture Content
3. Capacity: 50+TPH
4. Duty:

Customer Challenge

A waste-to-energy producer contacted us to help them solve their conveying problems. First, they needed to convey material over 200 feet. Second this bottom ash is wet, hot, dirty and very abrasive. They had tried other vibratory conveyors. They had tried belt conveyors. None of these could withstand the harsh environment.

Triple/S Solution

Triple/S Dynamics engineered a Slipstick Horizontal Motion Conveyor mounted in a plate truss design with overhead mounting to allow clearance underneath. The pan itself was flared in width, 48” wide at the bottom, flaring wider at the top, and the depth of the pan was 24”. The pan was fabricated out of AR 400 plate, with bolt on construction with butt-welding plates to each other for sealing

Triple/S and the Customer

The original machine purchased in 1989. By 2014, and after 25 years of service, the customer replaced the unit with a new one in 2014. This WTE customer has 40 Slipsticks spread out in 18 different locations around the country.