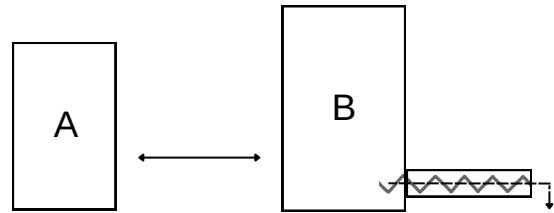


Central Feeder Stand

Typical application of OSB:

- A. S2 Gravimetric Control System
- B. Quantity of 1-12 Feeders



Description

Orbetron builds OSB systems from the ground up. The continuous dosing and mixing system ensures that the production process achieves high levels of quality dosing constancy and accuracy, when dosing very low material throughputs.

The OSB can dose or blend most materials, such as free-flowing plastic pellets and regrind, powder additives and fillers, pigments, liquids, and bio-fiber material. Each OSB System can have one to twelve precision screw feeders per line. The OSB and Disc Feeders are designed for throughput from 50 g/hr to 7,500 kgs/hr (16,000 lbs/hr). These throughputs are achievable in continuous extrusion applications.

Design

- Maximum twelve dosing/feeder stations per blending unit
- Minimum throughput 50 g/hr with disc feeder
- Maximum throughput 7,500 kgs/hr (16,500 lbs/hr)
- Maximum temperature 100°C (212°F) Operating voltage 230 V \pm 10%, AC, N, PE, 50/60 Hz
- Cumulative dosing accuracy up to \pm 0.1%
- Variable speed DC drive motors, AC drive optional
- Standard dust-light construction
- Parallelogram support for load cells
- Single and Twin screw feeder dosing station with a built-in agitator
- Processing of liquid components
- Integrated refill system
- Vacuum conveying units/system for feeder refill
- Other material handling systems for nonfree-flowing materials
- Vibrating damping
- High temperature (180°C/356°F) option available
- S2 controls up to 12 feeders, 4 lines

OSB 1-12 Multi-Component System

