## MATERIAL DYNAMICS CAROLINAS, INC.

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Pneumatic Conveying:

Continuous systems

Vacuum sequencing

· Dilute & dense phase

 Rotary valves • Filter receivers

· Hopper & bins

## **Bulk Material Handling and Feeding Solutions**





Feeding Technology:

- Volumetric feeders
- Gravimetric feeders
- Weigh belt feeders
- Liquid feeders
- Strand pelletizers
- Batch blenders
- Slide gates
- Rolling blade gates
- Diverters single, double, bucket, basket,...
- · Dustless loading spouts & chutes
- Clamshell single & duplex gates
- · Fluidized conveyors, slide gates, rolling blade
- Dust suppression







- Bucket elevators
- Sanitary, closed conveyors
- Sanitary belt conveyors
- · Bulk bag handling







- Welded silos
- Storage tanks
- Hoppers
- ASME pressure vessels







## **Process Control Equipment**

- In-line continuous real-time measurement
- Color, chemical composition, thickness of sheet/coatings for the plastics, chemical, food, paint, inks, environmental or pharmaceutical industries







## Sanitary Food Handling Processing

- Homogeneous belt conveyors
- Wire mesh conveyors
- Box/hopper dumpers & tippers
- AIM merge-sort-switch
- Tabletop chain conveyors

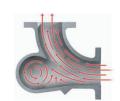






- · Horizontal & vertical batch blenders Continuous blenders
- Bucket elevators
- Distributors
- Ribbon & paddle mixers







- · Deflection elbows for pneumatic conveying
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- Prevents formation of streamers, angel hair & snake skins
- Prevents wear and failure when conveying abrasives
- · Prevents breakage of fragile materials



