

Metal Detection & Conveyors

Finding nickels & dimes in better yield design

Keep your products safe with our metal detectors. Special conveyor design incorporates a metal-free zone and motor mounted away from aperture to minimize interference.

Features and Benefits:

- Can be used almost anywhere in the food processing line
- Operates over a wide range of speeds to accommodate a variety of food lines
- Long life in harsh environments, especially washdown
- In-process and end-of-line metal contaminant protection to comply with IFS, BRC, HACCP, ISO 22000 requirements, etc.
- Detects ferrous and non-ferrous metals, including stainless steel



Metal Detector with metal-free zone and easy-to-clean stainless steel frame conveyor.



High-profile metal detector with wide conveyor belt - useful for scanning large parcels.



Metal detector with alarm light and divert that will reject metal containing food product into a grey bin.

No parts pricing sucker punches!

VBS uses standard, industry-available components that are easily attainable from multiple vendors, in the design and construction of our equipment assuring our customer economical, simplified, fast and efficient maintainability.

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In-Motion Checkweigher with Metal Detector



1. Pacer Conveyor (Optional)
2. Infeed/Metal Detector Conveyor
3. Metal Detector
4. Conveyor Scale
5. Scale Data System (SDS) Touchscreen
6. Divert Mechanism
7. 90° Rotation Conveyor (Optional)

Combination Metal Detector with In-Motion Checkweigher allows for installation into tight spaces.

User can select the product code specifications and tolerances for the metal detector and checkweigher from a single screen.

Innovative Design Features



Conveyor motor (purple) is mounted away from the metal detector aperture ensuring EM fields do not interfere. A metal-free conveyor section (green) is needed to ensure metal is not near the aperture.

Performance Features:

- Available in eight different standard sizes, on request available in customer-specific sizes
- High mechanical stability and high interference immunity; largely insensitive to vibration, impacts, and temperature fluctuations
- Hygienic design, easy to clean, no dirt-collecting edges
- Detects metal fragments regardless of location inside product



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