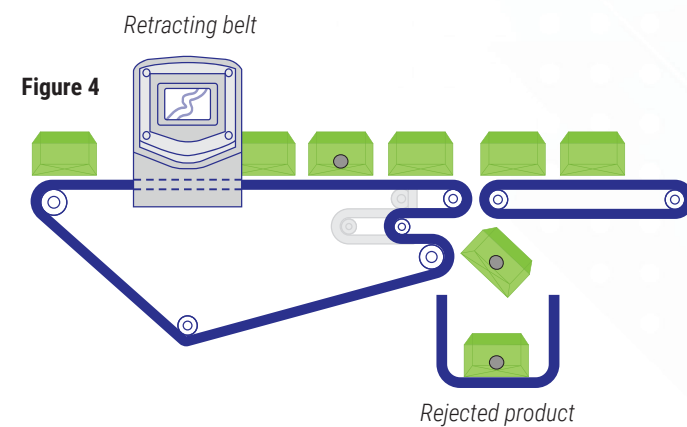
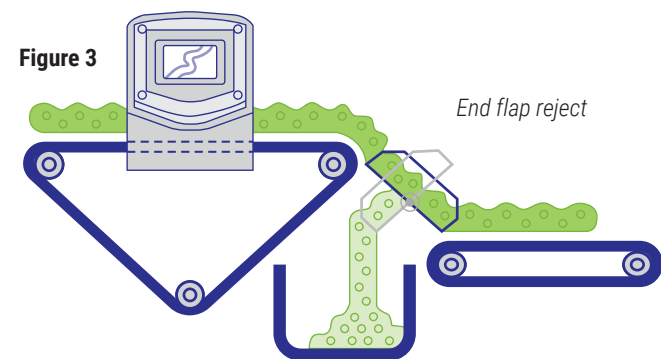
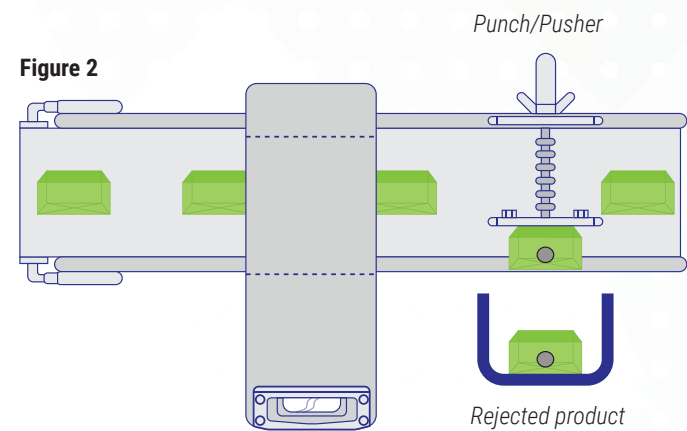
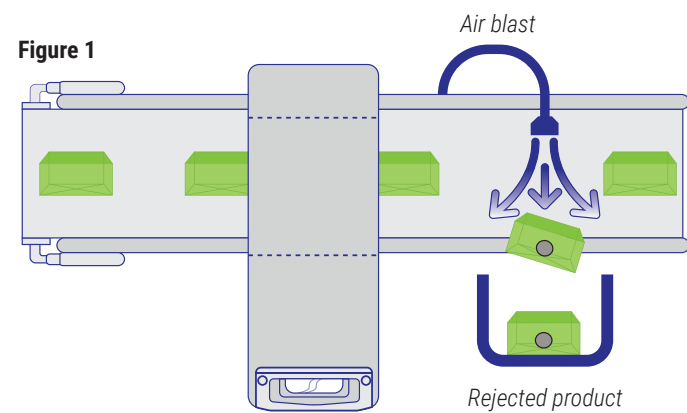




**MD**  
SERIES

# Metal detector systems





Key advantages

- ▶ Detects magnetics and non-magnetic metal contamination, even when enclosed in product
- ▶ Reduces expensive machinery failure and minimizes production downtime
- ▶ Ensures product quality
- ▶ Prevents customer complaints
- ▶ Break even within a very short period of time

High speed modular metal detectors

Saturn Packaging’s metal detector systems find metal residues which entered a product during production - all types of ferrous and non-ferrous metals in packaged and unpackaged piece foods.

Separation systems may be connected in order to remove contaminated packages.



Reject bin

Specifications

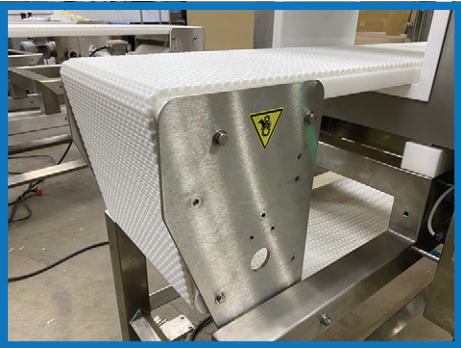
- ▶ Complete integrated system with conveyor belt
- ▶ Easy usage
- ▶ Full 304 stainless frame construction
- ▶ Modular construction for easy cleaning
- ▶ Standard and custom conveyor dimensions
- ▶ Knife edge transfer
- ▶ Indication light tower and buzzer
- ▶ Stainless steel control box
- ▶ Variable AC drive

Options

- ▶ Washdown gear motors
- ▶ Sanitary washdown design
- ▶ Reject system
- ▶ Stainless steel lockable casters

Technical features

	Metal Detection
Product formats	Packaged, conveyORIZED products, loose, bulk products, free-falling and vertically-packed products (including powders and granular products), pumped liquids, pastes and slurries, continuous web products
Contamination detection	Detection of all metal contaminants, including ferrous, non-ferrous (including aluminum) and magnetic and non-magnetic stainless steels
Detectable contaminants	Contaminants must be austenitic (magnetizable) or electrically conductive
Aluminum contaminants	Easily detected
Quality checks	Detection of metal contaminants
Product texture	No effects
Conductive product	Can be inspected
Metalized film-packed products	Can be inspected
Aluminum foil-packed products	Cannot be inspected effectively
Pack size effects	The larger the pack, the less sensitive
Increased aperture size	Sensitivity can decline, and costs increase moderately



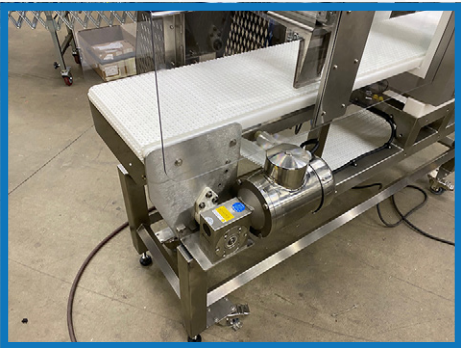
Knife edge transfer



Knife edge transfer



Caster with break



Stainless steel washdown gear-motor

Width (inches)
8
12
16
20
24
Other

Conveyor Type
Straight inline
Incline
Incline with cleats

Rejection Options
Stop on detect
Air blast with bin
Pusher with tray
Rodless pusher with bin (space saving)
Retracting belt
End flap reject

Belt Type
Modular link belt
Endless flat belt