

SL1500 Series

Standard Line Conveyor System



The SL1500 Standard Line metal detector conveyor system is intended for the inspection of small and medium sized packaged products in both dry and wet environments. It is designed to offer a reliable, standardized conveyor solution at a competitive price.

A pre-defined configuration set and modular design streamlines engineering and production effort, enabling shorter lead times.

Application Flexibility

The SL1500 platform supports the integration of both Signature and Profile metal detection technologies, allowing the selection of the correct solution for the application.

Ease of Cleaning

The design features quick belt removal and easy access to all surfaces during cleaning cycle. The system is rated to IP65 and has a continuously-welded 304SS tubular frame to withstand common industrial cleaning agents.

Safe Equipment Design

The system includes Cat-1 safety circuit with emergency stop integrated into electrical and pneumatic circuits. Standard components feature lock-out/tag-out capability.

Ease of Maintenance

The system layout provides easy access to all mechanical, electrical, and has a continuously-welded 304SS tubular frame to withstand common industrial cleaning agents. Use of readily available components reduces the need for spare part inventory.



Specification Table

Feature	Specification
Metal Detector Head Model	Signature, Signature Touch, PowerPhasePRO, or Profile Advantage
Weight Capacity	Customer products up to 20kg
Lane Configuration	Single lane, timed-and-spaced applications
Conveyor Speed	Fixed speed - 10m/min, 20m/min, 30m/min, 40m/min, 50m/min, or 60m/min
Power Supply	110V/1Ph, 220V/1Ph, 220V/3Ph, or 480V/3Ph
Pneumatic Supply	80psi clean air supply required for air-operated reject systems
Ingress Protection	IP65 system ingress protection (head + conveyor) for Dry or Wipe Down Applications
Belt Type	Plastic modular belt with 95mm transfer diameter
Floor Mounting	Stainless steel leveling pads +/- 50mm
Belt Width	150mm to 650mm, in 50mm increments
Operating Height	700mm minimum height (800mm w/ casters) to 1100mm maximum height
System Length	1200mm minimum length to 2200mm maximum length
Reject Type	Dry Contact, Stop Alarm, Air Blast, Pusher, or Overhead Sweep

Available Options

Option	Description
Variable Speed	Variable conveyor speed 10-60m/min with enclosure-mounted potentiometer
IP6x Upgrade	IP66 or IP69 system ingress protection (head + conveyor)
Product Guides	Adjustable product guides (infeed through MD aperture)
Lockable Casters	Stainless steel lockable casters +/- 50mm
Reject Bin	304SS or plastic locking reject bin options
Electronic Bin Lock	Reject bin access is controlled via HMI interface
Reject Beacon	Single lens red reject beacon with push button reset
Key Reset Switch	Upgrade from push button reset to key reset switch
Reject Confirmation	Sensor at reject outfeed to ensure that rejected product has been cleared from line
UL Approval	cULus 508A listed industrial control panel

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