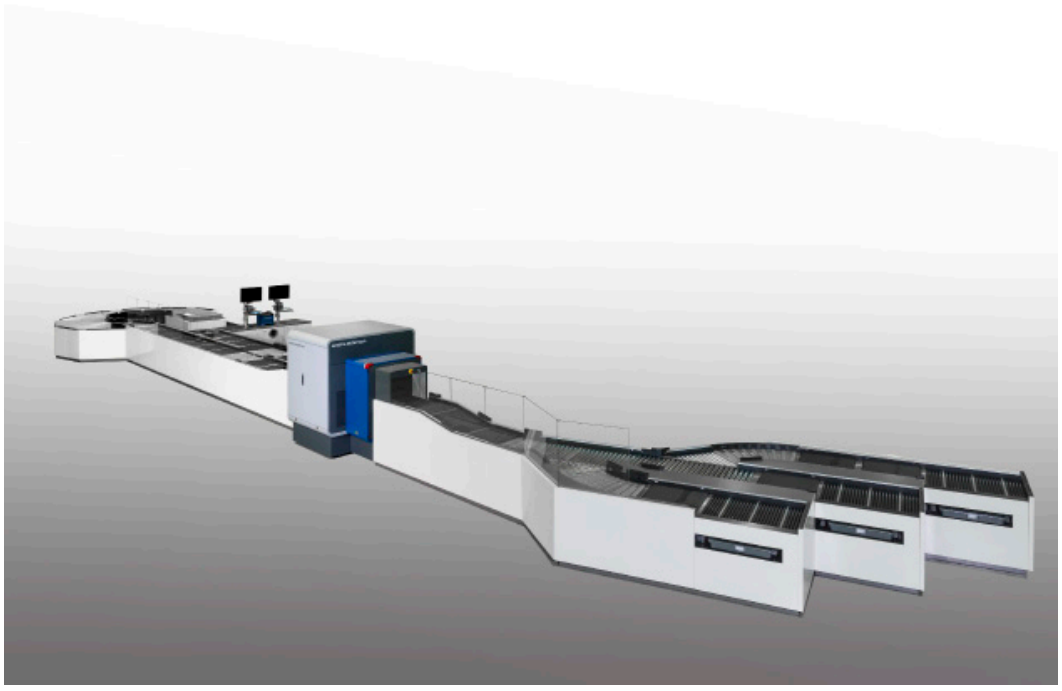
smiths detection

iLane.evo V2

KEEPING THE PROCESS MOVING



Feature Highlights

- Throughput increased by more than 100% compared to conventional checkpoints
- Improved passenger experience
- Modular design allows system to be adapted to available space - see our lane configurator
- Greater operational efficiency - see our throughput simulator
- Suited for integration of most of the 6040 and 7555 series and 3rd party's inspection systems
- Open interfaces for technologies as
  - remote screening
  - automatic and random diversion

An effective lane with tray handling system is a primary checkpoint component. By delivering a steady flow of trays, it plays a critical role in streamlining the screening process and delivering the subsequent benefits of increased throughput and an improved passenger experience.

Innovations in lane design and function can help take the overall checkpoint solution to the next level by removing bottlenecks and keeping the process moving. The iLane.evo from Smiths Detection features the latest developments and addresses the key issues of passenger divestment; tray loading and return; re-routing suspicious items; and 'reclaim' space at the end of the checkpoint.

iLane.evo is modular in design, offering the flexibility to develop a variety of configurations to meet different requirements and expand to handle increasing passenger traffic. It is future-proof with the capability to incorporate new inspection systems and functions. In order to ensure the best possible overall results, iLane.evo seamlessly integrates into the other checkpoint components.

Whilst clearly developed to improve performance, iLane.evo also creates a more relaxing passenger experience and can be adapted to blend into the look and feel or individual branding of the airport.

General Specifications	
Conveyor height input area	approx. 800 mm
Conveyor height diversion area	approx. 950 mm
Conveyor height collection area	approx. 800 mm
Conveyor speed [1]	0.2 m/sec.
Max. tray size	640 x 530 x 90mm
Max. conveyor load	25 kg/zone
Theoretical throughput [2]	857 bags/h

Installation Data	
Operating/storage temperature	5 - 40°C
Humidity	40% - 95% non-condensing
Power supply	mains voltage 230 V + 10-15%; frequency 50 Hz,
	stability ± 3%, 1-phase
	mains voltage 110 V + 10-15%; frequency 60 Hz,
	stability ± 3%, 1-phase
Internal power supply	24 V
Power consumption	max. 1080 watt
Length [3]	12820 - 25000 mm
Width [3]	2350 - 5500 mm
Weight	88 - 920 kg (depending on modules)
Protection class	IP54

Sound pressure	
Operation	<68dB(A)

Operating conditions

All baggage items must be transported in Smiths Detection nestable IATA-sized tray.

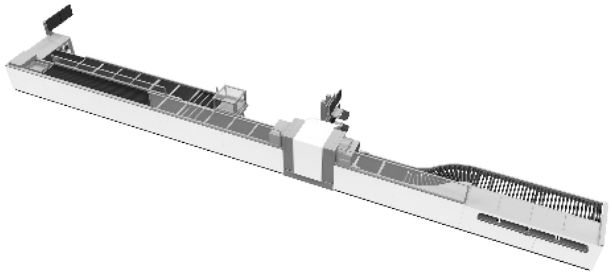
Features

Different Standards available - from serial to real parallel divest modules, automatic tray separation, fully automated tray transport from the input area through the X-ray unit to the automatic tray return, various reclaim modules, surveillance of the complete conveyor line with photocells, intelligent zero line pressure conveying, variable conveyor speed in the respective zones, baggage diversion without manual intervention, high-threat module, operator tray infeed, automatic

Options

Recheck station for X-ray unit, RFID tray identification, Remote Screening, variable lengths, straight or curved feed-in.

[1] can be adjusted in different zones
[2] bag length 640 mm, distance 200 mm
[3] variable according to options



For product information, sales or service, please go to www.smithsdetection.com/locations

Smiths Detection Germany GmbH, Im Herzen 4, 65205 Wiesbaden, Germany

smiths detection