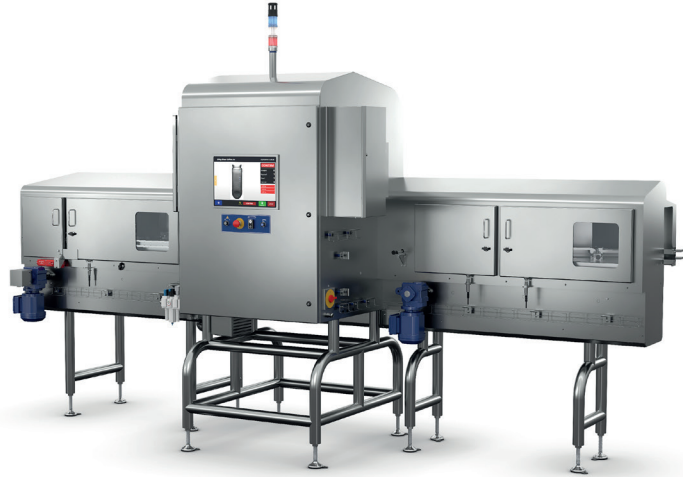


X37 Series - X3750

All-round Inspection of Glass Containers



The X3750 provides class-leading inspection capabilities for food and pharmaceutical manufacturers utilizing glass containers. An integrated angled x-ray beam views the entire glass container to maximise detection sensitivity. This system facilitates all-round glass-in-glass inspection with additional product and packaging quality checks to identify substandard products.

Offering Exceptional Detection

Incorporating a single, angled beam, the x-ray penetrates through the base of the glass container while simultaneously examining the sides to provide full inspection. This eradicates traditional blind spots thereby identifying contaminants such as glass and metal, irrespective of their location.

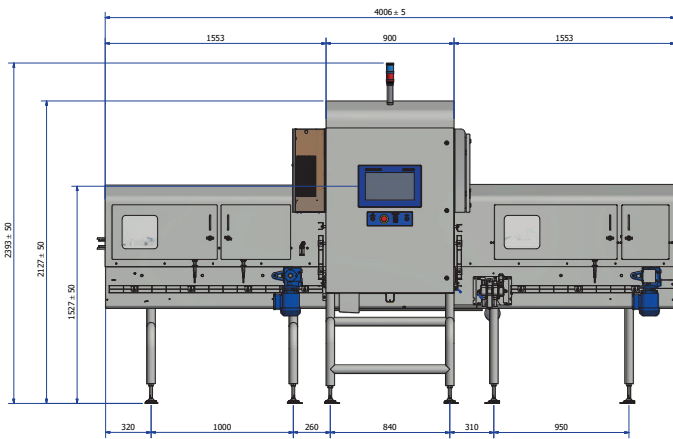
Accommodating a Wide Range of Sizes

The position of the angled x-ray beam enables it to be easily adjustable to inspect a wide range of food and pharmaceutical glass containers. This flexibility allows manufacturers to

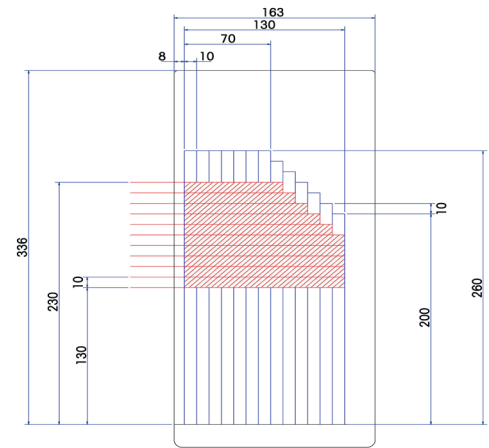
accommodate the inspection of multiple product lines thereby future-proofing their technology purchase and reducing Total Cost of Ownership (TCO).

Ensuring Smooth Product Handling

The X3750 is designed with full length guide rails to accommodate efficient product transfers. High-speed pusher reject devices are used to quickly remove any rejected containers from production onto an integrated reject table or additional conveyor for further investigation. Ensuring the secure handling of glass containers reduces operational downtime caused through avoidable breakages.



X3750 - 4000mm long



X3750 beam diagram with 400mm detector width

Specification Table

Feature	Specifications
Conveyor Speed	Typical line speeds 10-100 m/min (dependent on product dimensions)
Lane Configurations	Single lane
Throughput Rate	Typical throughput rates of up to 800 products per minute (dependent on product dimensions)
Maximum Product Dimensions	260mm (230mm if inspecting fill level) Diameter - 130mm
X-ray Detector	0.8mm
X-ray Generator	420W, 84kV, 5.0 mA Glass
X-ray Beams	Single
X-ray Emissions	< 1uSv/hr
X-ray Protections	Fully contained emissions within construction (curtainless)
Cooling Method	Radiator Pump & Air Conditioner
Operating Humidity	up to 90% RH
Operating Temperature	5°C - 40°C
Power Supply	208 - 240 Vac, 1 phase, 50-60 Hz, 10 A max 100 - 120 Vac, 1 phase, 50-60 Hz, 16 A max
Pneumatic Supply	6 Bar(g) clean air supply required for air operated reject system
Casing Material	304 stainless steel
Finish	240 Grit Brushed on main components
Ingress Protection	IP65 as standard. IP69 as an optional upgrade
Operating Height	950mm, 1050mm or 1150mm (+/- 50mm)
System Conveyor	Modular belt system conveyor
System Length	4000mm
Screen Display	15.6" LED Touchscreen display (16:9 aspect ratio)
Reject Type	High-speed short stroke pusher
Reject Area	Integrated driven reject table
Operating System	Microsoft Windows 64 bit
Connectivity Options	Ethernet (internal), USB (external)
Traceability Options	Full event log tracks changes of parameters, users and products
Guide Rails	Full length guide rails
UL Approved	Yes

Mettler-Toledo Group
Product Inspection Division
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www.mt.com/safeline-xray

For more information

Subject to technical changes
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