

X37 Series - X3730 X-ray System

Tall, Rigid Container Inspection



The X37 Series offers the most technically advanced x-ray inspection system for tall, rigid containers on the market. Providing a competitive advantage to food and pharmaceutical manufacturers with a highly adaptable solution to suit individual applications. It offers a wide range of features combined with low power consumption making the X37 a future proof investment. The X37 Series provides the customer with the tools to assist with industry standard compliance like HACCP.

Split-Beam Offers Outstanding Performance

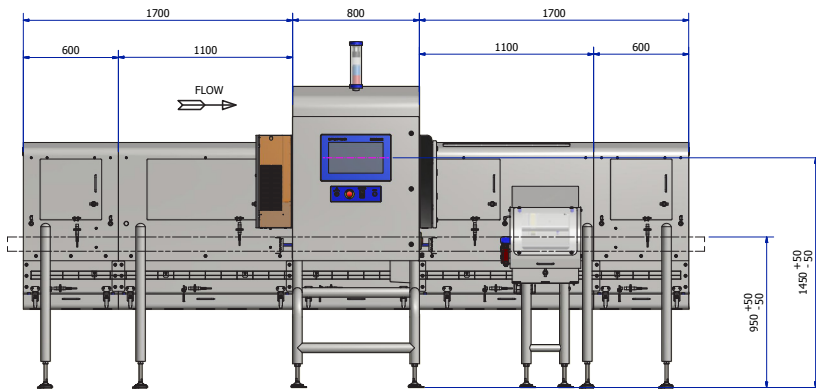
The X3730 split-beam x-ray system offers increased detection sensitivity for food manufacturers by ensuring that doypacks, plastic and glass containers as well as metal cans are inspected to the highest levels, offering outstanding and reliable contamination detection. A split-beam system produces two x-ray beams from a single generator which increases the probability of detection of contaminants, as two images are created from different angles, minimising blind spots in the container.

Class Leading Hygienic Design

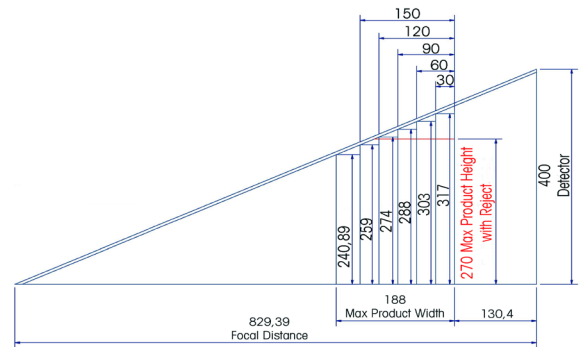
The X3730 encompasses the highest level of hygienic design with IP65 sealing as standard and an upgrade option to IP69. It includes a fully welded stainless steel tubular frame as well as sloped and curved edges to allow water to roll off during cleaning.

Adaptable Modular Solution

Its flexible standard modular design makes it the most adaptable x-ray solution for tall, rigid containers on the market, including a choice of high-speed reject systems to match manufacturers production needs and guarantee easy and effective removal from the line.



X37 Series drawing front view - 4200mm long/ 800mm wide



X3730 beam diagram with 400mm detector width

Specification Table

Feature	Specifications
Software	X37 (Flex on Windows 8)
Casing Material	304 stainless steel
Finish	240 Grit Brushed on main components
Connectivity Options	Ethernet (internal), USB (external)
Conveyor Speed	Typical line speeds 10-150 m/min (dependent on product dimensions)
Lane Configurations	Single lane applications
Throughput Rate	Typical throughput rates of up to 1,800 products per minute (dependent on product dimensions)
System Length	3000mm or 4200mm
Operating Height	950mm, 1050mm or 1150mm (+/- 50mm)
Maximum Product Height	317mm without reject (270mm with reject)
Cooling Method	100W - Air Conditioner 400W - Radiator Pump & Air Conditioner
Screen Display	15.6" LED widescreen (16:9 ratio) display with improved touchscreen
Operating Humidity	Up to 90% RH
Operating Temperature	5 - 40°C
Power Supply	100W - 110Vac, 50/60Hz or 230Vac, 50/60Hz 400W - 230Vac, 50/60Hz
Pneumatic Supply	6 Bar(g) clean air supply required for air operated reject system
Traceability Options	Full event log tracks changes of parameters, users and products
X-ray Detector	100W - 0.8mm 400W - 0.4mm
X-ray Generator	100W, 84kV, 1.2 mA Glass or optional beryllium 400W, 84kV, 5.0 mA Glass or optional beryllium
X-ray Beams	Split Beam (100W & 400W)
X-ray Emissions	< 1uSv/hr
X-ray Protections	Fully contained emissions within construction, optional lightweight lead-free blue curtains at tunnel apertures on short systems
Reject Type	Pusher and Airblast
Reject Bin	Front mounted lockable reject chute with vision window as standard
Guide Rails	Adjustable full length guide rails. System Plast type

Mettler Toledo Safeline X-ray
 Royston Business Park, Royston,
 Hertfordshire, SG8 5HN
 Tel. +44 (0) 1763 257900
 Fax. +44 (0) 1763 257909
 Email: xraysales@mt.com

www.mt.com/xray-X37

For more information



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