



X5C - X-ray Inspection System

Designed for Food & Packaging Industries

X-Ray
Detection

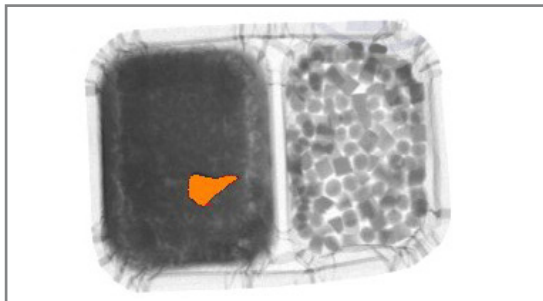
Product Highlights

- For inspecting retail-packed convenience food, ready meals, and small end-of-line packaged goods up to 280 mm wide by 110 mm high
- Good set of inspection features for contaminant detection, product integrity checks and quality assurance reporting
- Robust stainless steel construction with compact 1000 mm machine length
- 10.1" capacitive colour touchscreen control interface including multi-level password access and data logged events for traceability
- IP66 ingress rating with tool-free belt and curtain removal for low-pressure wash-down
- Hygienic tube-free support frame construction



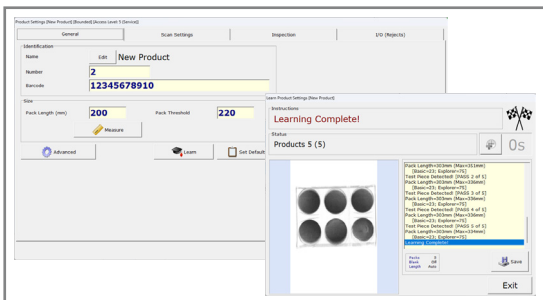
Designed with New Users of X-Ray in Mind

A simplified yet powerful inspection feature set, plug and play installation, reliable inspection and low cost of ownership make the X5C an ideal choice for those switching to X-Ray for the first time.



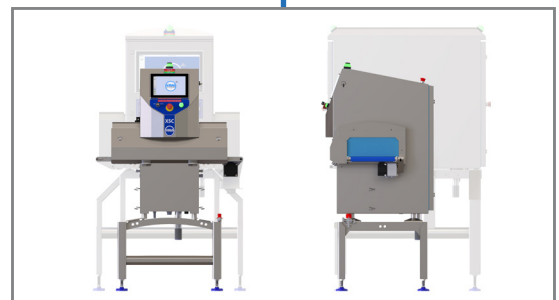
Reliable Metal and Contaminant Detection in Foil Trays

With a rectangular inspection window, the system detects bone, glass, dense plastics and even inspecting products packaged in foil trays or metalized film.



Get Inspecting Fast with Loma's Product Learn Wizard

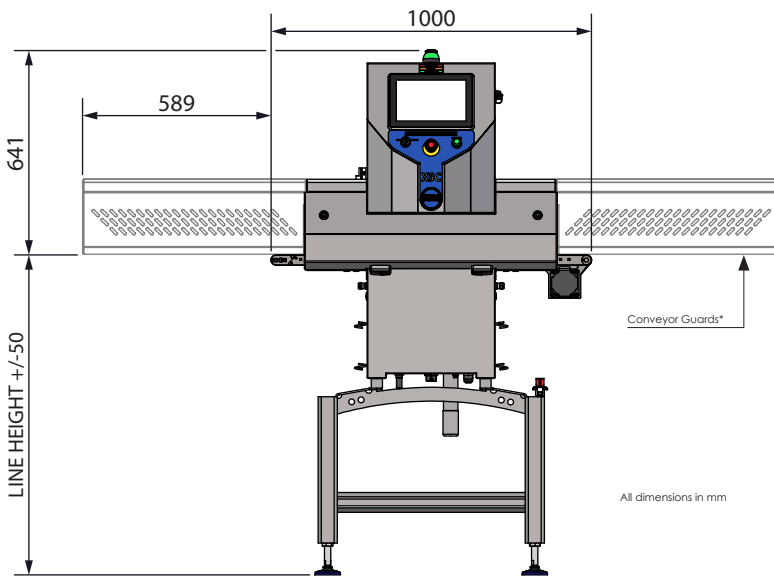
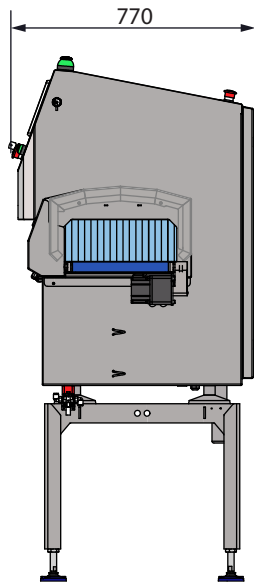
A set-up wizard automatically optimises the X5C for each product type and allows you to learn or switch to new products within minutes.



Compact System Optimises Valuable Space

The X5C is built with Loma's strong experience of food industry inspection systems and offers first-class CCP protection in the smallest footprint possible.

Technical Specification



Finish	304 stainless steel
System Length (excluding conveyor guards)	1000 mm (machine only) 1800 mm (with optional auto-reject)
Line Height (Feet)	700 - 1200 mm (± 50 adjustment)
Line Height (Casters)	800 - 1300 mm (± 50 adjustment)
Product Height (recommended maximum)	110 mm
Product Width (recommended maximum)	280 mm
Product Length (recommended maximum)	280 mm
X-Ray Output	80W (40 kV 2 mA)
IP Rating	IP66
Belt Width	300 mm
Belt Type	PU Blue Belt
Weight on Belt	Up to 6 kg**
Speed Range	10 - 70 m/min
Power Requirements	220-240 V, 50Hz or 110-120 V, 60Hz, Single Phase Mains
Pneumatic Requirements	$\varnothing 10$ mm, 4-6 bar (60 to 100psi)
Operating Environment	2 to 10 °C with cabinet warm up, 10 to 35 °C with Vortex
Cooling	Vortex
X-Ray Safety	Leakage less than 1 μ Sv/h
Machine Weight (Approx.)	160 kg
Detection Algorithms	2 x contaminant 3 x object checking 2 x image optimisation
Reporting	Event, Batch, Shift
Data Retrieval	via USB

*Although the machine installation requires a line length of 1000 mm, the system is supplied with extended covers to prevent limb access into the x-ray chamber and provide compliance with required safety standards. During installation either the extended covers must be fitted or equivalent protection be provided by other inline equipment (e.g. a reject conveyor) or guarding on both the infeed and outfeed. **Maximum recommended weight is around 3 kg; at faster speeds it may be possible to go up to 6 kg.

Automatic Reject Options

The X5C is supplied as standard with two output signals suitable for triggering third-party reject systems. Alternatively, it can be specified with an automatic reject station (with retail compliance) with the following options:

- Pusher
- Air-blast, single nozzle
- Air-blast, dual nozzle



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