

Precise and Complete Inspection For Small to Medium Products



Prevent Product Recalls

The X12 offers maximum product safety, delivering reliable contamination inspection by accurately detecting a wide range of foreign bodies such as metal, glass, stone, bone and low-density materials.



Effective Quality Control

With a selection of quality and integrity checks, the X12 provides product inspection beyond contamination detection, further helping you to deliver the best quality products to your consumers.



Enhance Productivity

The X12 maximizes production uptime by combining superior industrial design with a range of productivity tools. These include simplified cleaning routines, an intuitive user interface, and a reliable set of state-of-the-art subsystems.



Make Compliance Easier

The X12 has built-in software capabilities that allow full product traceability through a recorded image database. This can be accessed directly with the system's interface or connected remotely to ProdX, or any of the most common network protocols.

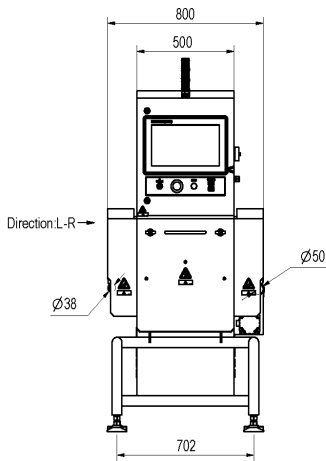


The X12 X-ray Inspection System High Performance Product Inspection

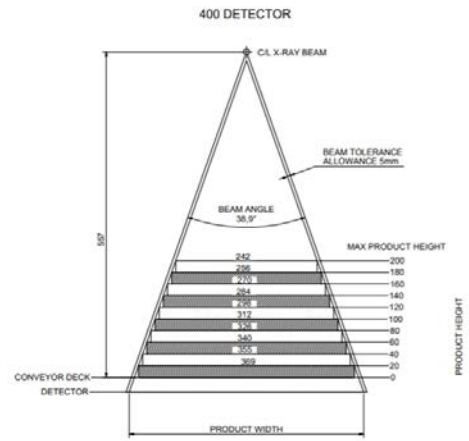
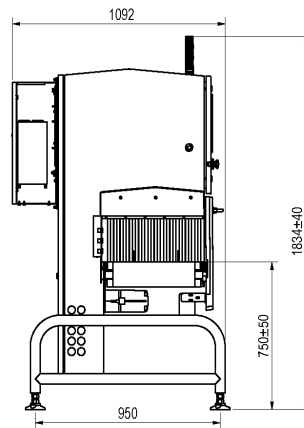
The X12 is a high performing, single-lane x-ray inspection system for small-medium size packaged products. As part of the X2 Series, the X12 has cutting edge detection capabilities with its HiGain detector technology, providing accurate detection at an incredible price point.

Available in four different line length configurations, with a range of reject bin options, the X12 is ideal for restricted spaces, providing high-level inspection suited to your production requirements and budget.

Technical Details



800 mm, X12 Short System Diagram



X12 Beam Size Diagram

Specification Table

Feature	X12 Specifications
Contamination Detection	Metal from 0.3 mm, shards of glass over 2mm and stones, bones and several low-density materials*
Product Quality Tools	Completeness check, product fill level, clip detection*
Compliance	User management, segregation of rejected goods, reject confirmation including manual verification, bin full and almost full sensors. Product validation feature and performance verification routine (PVR). Fully lockable inspection tunnel.
Conveyor Speed	10-60 m/min
Lane Configurations	Single
Throughput Rate	300 products/min*
Maximum Product Height	200 mm
Product Set-up	Automatic configuration and fast set-up with ContamPlus
X-ray Detector	300 or 400 mm length, HiGain Technology
X-ray Generator	Optimum Power 100 W, up to 84 kV, up to 3.3 mA Glass tube**
Operator Safety	X-ray emissions <1uSv/hr, fully contained within construction, lead-free curtains with non-contact safety interlocks**
Cooling Method	Air Conditioner
Environmental Conditions	Operating humidity up to 90% RH. Operating temperature 5-40°C
Power Supply	208-240 Vac, 1 Phase, 50-60 Hz, 10A max; 100-120 Vac, 1 Phase, 50-60 Hz, 16A max**
Pneumatic Supply	6 Bar(g) clean air supply required for air operated reject system. With built-in pressure monitoring
Hygienic Features	Durable body in 304 Stainless Steel, with anti-accumulation sloped surfaces. Finish 180-240 Grit brushed on main components. Toolless removable belt and curtains. Integrated cable management
External Interface	Customer dedicated 5 digital inputs 8 digital outputs, dependent on product configuration
Ingress Protection	IP65 or IP66 for inspection area and conveyor.
Operating Height	750 mm, 850 mm, 950 mm, 1050 mm or 1150 mm (+/- 50 mm)
System Conveyor	FDA and EU food use approved TPU conveyor belt 90 W motor unit, 38 mm diameter infeed roller, 50 mm diameter outfeed roller
System Length	800 mm, 1300 mm, 1800 mm or 2000 mm
Screen Display	15.6" Capacitive Touchscreen display (16:9 aspect ratio)
Reject Type*	Pusher, airblast or retracting belt options**
Operating System	Concurrent algorithms Flex system software with Microsoft Windows 10 (upgradable via USB)
Traceability Options	Event log tracks changes of parameters, users and products. Product traceability through recorded image database, accessed via USB, ProDX, Ethernet/IP
Product Handling	Optional infeed or full-length guide rails, optional in-feed and out-feed lights
Service	Remote support ready, 5-year generator warranty, spare parts kits and service plans
UL Approved	Only for machines made in North and Latin America

* Dependant on application

** These specifications vary depending on country and region. Please contact your local METTLER TOLEDO representative for the confirmed specifications available in your area.

METTLER TOLEDO Group
X-ray Inspection
Local contact: www.mt.com/contacts

www.mt.com/safeline-xray

For more information

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