

## X12 Series

# Simply Safeguarding Your Business



### Improved product quality

The X12 is able to detect hard-to-find physical contaminants, minimizing risk of costly product recalls, protecting consumers and brand reputations, whilst reducing operational costs.



### Easy to use

Automated product set-up coupled with our intelligent ContamPlus™ inspection software improves production uptime and reduces manufacturing costs.



### Minimized false reject rates

The X12 X-ray inspection software provides minimum false reject rates (FRR), through automated set-up procedures and establishing outstanding detection sensitivity level.

### High Detection Performance

#### The X12 X-ray Inspection System

The X12 X-ray system is a cost effective, reliable x-ray inspection solution for food manufacturers that require a low total cost of ownership. The X12 X-ray Inspection System is a single lane solution designed for the inspection of small and medium sized packaged products.

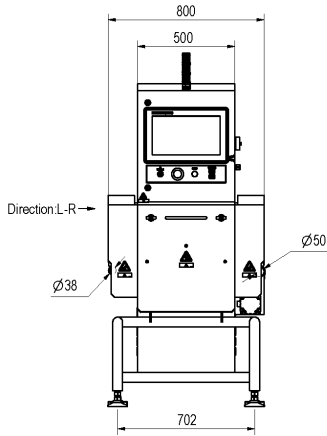


### Easier to clean

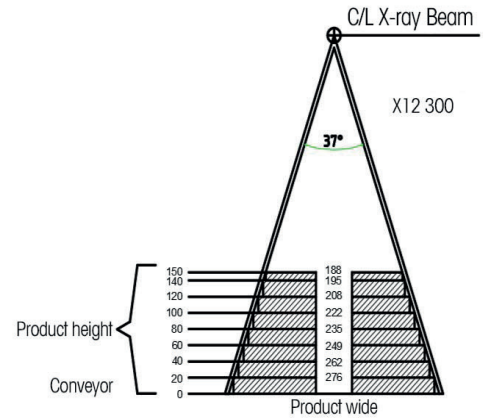
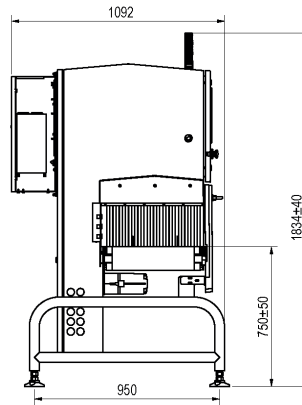
Easy to clean and maintain thanks to rounded frame tubes with sloping surfaces to reduce accumulation of water and dust. Quick-release belt and removable curtains are ideal for quick cleaning routines.

Sensitive detection technology and software algorithms support improved product quality to reduce false reject rates, minimize costly recalls and uphold brand integrity.

## Technical Details



X12 Series - 800mm, without reject option



X12 Series beam diagram with 300mm scan width

## Specification Table

Feature	Specifications
Conveyor Speed	Typical line speeds 10-60m/min (dependent on product dimensions)
Lane Configurations	Single lane applications
Throughput Rate	Typical throughput rates of up to 300 products per minute (dependent on product dimensions)
Maximum Product Height	150mm
X-ray Detector	300 or 400mm length, 0.4mm diode size
X-ray Generator	Optimum Power 150W, up to 85kV, up to 3.0mA Glass tube
X-ray Beams	Single vertical beam
X-ray Emissions	<1uSv/hr
X-ray Protections	Fully contained emissions within construction, lightweight lead-free blue curtains (FDA compliant) at tunnel apertures
Cooling Method	Air Conditioner
Operating Humidity	Up to 90% RH
Operating Temperature	5 – 40°C
Power Supply	208 - 240 Vac, 1 phase, 50 - 60Hz, 10A max 100 - 120 Vac, 1 phase, 50 - 60Hz, 16A max
Pneumatic Supply	6 Bar(g) clean air supply required for air operated reject system
Casing Material	304 stainless steel
Finish	180 - 240 Grit brushed on main components
Ingress Protection	IP65 or IP66 (AC enclosure side IP56, ambient side IP34)
Operating Height	750mm, 850mm, 950mm OR 1050mm (+/- 50mm)
System Conveyor	FDA and EU food use approved TPU conveyor belt, 90W motor unit, 38mm diameter and end rollers
System Length	800mm
Screen Display	15.6" Capacitive Touchscreen display (16:9 aspect ratio)
Reject Type*	Pusher, Air blast, and Drop flap
Operating System	Microsoft Windows 10
Connectivity Options	USB, ProDX, Ethernet/IP
Traceability Options	Full event log tracks changes of parameters, users and products
Guide Rails	Optional infeed or full length guide rails

\* The rejecter is supplied locally

**METTLER TOLEDO Group**  
Product Inspection Division  
Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)

[www.mt.com/safeline-xray](http://www.mt.com/safeline-xray)

For more information

Subject to technical changes  
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