X-ray Inspection

X36 DXD and DXD+

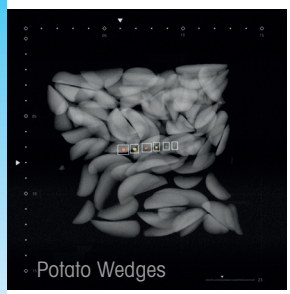
Advanced Dual Energy Technology

Unrivaled Detection

The DXD and DXD+ detectors offer remarkable detection capability for low-density contaminants like calcified bone, glass and rubber, to enhance product integrity and support brand protection.

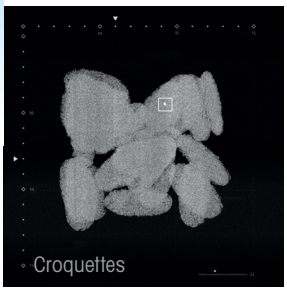
Optimized For Challenging Applications

Products that overlap or have an uneven texture are a great match for our dual energy detectors. The DXD and DXD+ detectors virtually eliminate product noise, making contaminants easier to see.



Intuitive, User-friendly Software

Powered by proprietary Advanced Material Discrimination algorithms, DXD and DXD+ detectors deliver significantly improved detection capabilities with automated product set-up.



Flexibility to Suit Production Demands

The X36 with DXD and DXD+ offers a range of configurations, which can be customized to suit challenging applications and meet business requirements.

The X36 X-ray System

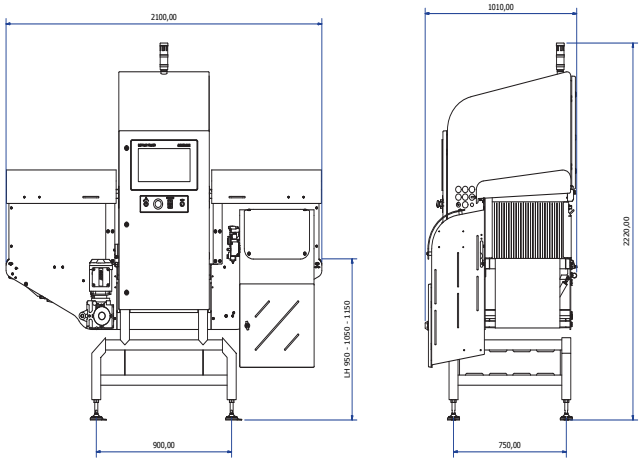
With Advanced Dual Energy Technology

Introducing the DXD and DXD+ dual energy detectors, which can be fully integrated into the X36 X-ray system. Capable of detecting hard-to-find contaminants, these highly advanced technologies support brand protection and compliance, even in the most challenging applications.

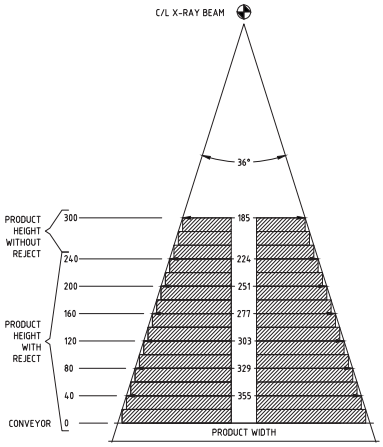
Our flexible and customizable solutions can increase production productivity by removing process waste.

METTLER TOLEDO

Technical Details



X36 Series - 2100 millimeters long option



X36 Series beam diagram with 400 millimeters scan width

Specification Table

	Specifications	
Feature	**DXD**	**DXD+**
Conveyor Speed	Typical line speeds 10 - 100 m/min (dependent on product dimensions)	Typical line speeds 10-45* m/min (dependent on product dimensions)
Lane Configurations	Single or multi-lane applications	
Throughput Rate	Up to 1000 products per minute (dependent on product dimensions)	Up to 500 products per minute (dependent on product dimensions)
X-ray Detector	300, 400, 500 and 600mm - 0.8mm diode size	300, 400 and 500mm - 0.4mm diode size
X-ray Generator	100W, 84kV, 1.2mA beryllium tube	420W, 84kV, 5.0mA beryllium 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 at tunnel apertures	
Cooling Method	Air Conditioner	Radiator Pump and 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 as standard, IP69 as an optional upgrade	
Operating Height	750mm, 850mm, 950mm, 1050mm or 1150mm (+/- 50mm)	
System Conveyor	FDA and EU food use approved TPU conveyor belt, 0.55kW motor unit, 60mm diameter roll ends	
System Length	1200mm, 1850mm, 2100mm or 2300mm options	2100mm or 2300mm options
Screen Display	15" capacitive touchscreen display (16:9 aspect ratio)	
Reject Type	Pusher or Airblast options	
Reject Collection	Front mounted lockable reject bin with vision window as standard	
Operating System	Microsoft Windows 64bit	
Connectivity Options	Ethernet connection available	
Traceability Options	Full event log tracks changes of parameters, users and products	
Guide Rails	Optional infeed or full length guide rails up to reject station. 10mm round bar style	
UL Approved	Yes	

* For applications over 45 m/min please get in contact for a product consultation

Dartronics, Inc.
150 William Street
Perth Amboy, NJ 08861 USA
Tel: (732) 324-0800
Fax: (732) 324-4488
Email: sales@dartronics.com

For more information
www.dartronics.com/x-ray-inspection-solutions/