

Inspection of Pumped Products



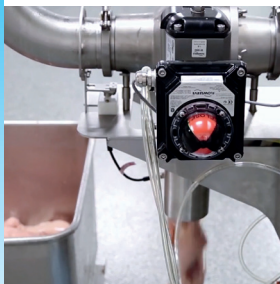
Superior Product Safety

The X38 delivers outstanding contamination detection of foreign bodies such as glass, metal, mineral stone, calcified bone, high density plastic and rubber compounds.



High Throughput

The x-ray system is capable of inspecting typical throughputs of up to 14 tonnes per hour, depending on pipe diameter and flow rate, without damaging the product.



Minimizing Product Waste

A range of fully integrated, high-speed reject valves are available. All valves can be synchronised to the pump, minimizing the rejected portions and protecting profits.



Robust Design

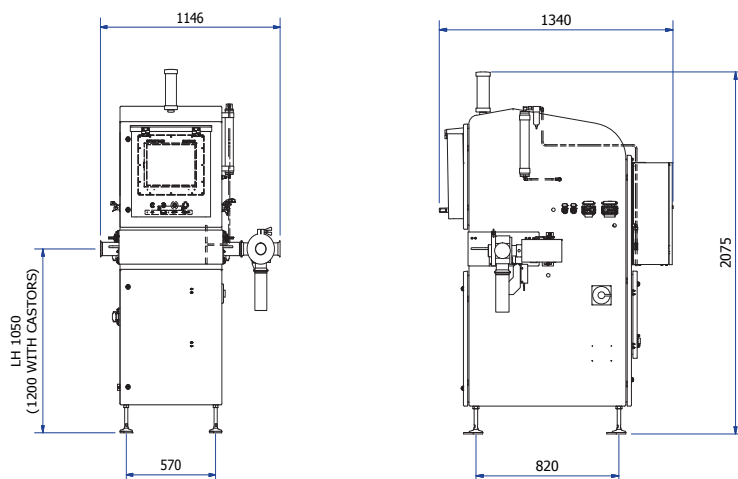
The robust system design offers easy access to all areas and is suitable for harsh washdown environments with a IP69 sealing as standard, including a class leading IP69 air conditioner.

Complete Safety for Pumped Products The X38 Series Pipeline

The X38 x-ray system is designed to inspect up to 14 ton of pumped food products per hour, typically liquids, slurries and pastes before further value is added to the product through processing and final packaging.

The x-ray pipeline inspection system provides outstanding detection capabilities with bespoke software algorithms to detect and reject contaminated products.

Technical Details



X38 - 1146mm long

Specification Table

Feature	Specifications
Flow Rate	Up to 14 tonnes/ hour (depending on application and pipe diameter)
Pipe Diameter	2.5", 3" or 4" (63mm, 75mm and 100mm) as standard, other pipe diameters are available
X-ray Detector	300mm, 0.8mm diode size (0.4mm optional)
X-ray Generator	270W (60kV, 4.5mA Glass Tube)
X-ray Beams	Single beam
X-ray Emissions	<1uSv/hr*
X-ray Protections	Fully contained emissions within construction, provided up and downstream pipes
Cooling Method	IP69 Air Conditioner
Operating Humidity	30% RH - 85% RH
Operating Temperature	5°C – 40°C
Operating Pressure in Pipe	3 bar typical, 10 bar peak
Power Supply	208 - 240 Vac, 1 phase, 50 - 60Hz, 6 A
Pneumatic Supply	6 Bar(g) clean air supply required for air operated reject system
Casing Material	304 stainless steel, pipeline manifold 316 stainless steel
Finish	180-240 Grit Brushed on main components
Ingress Protection	IP69
Operating Height	1000mm +/- 50mm (feet) or 1200mm +/- 50mm (castors)
System Length	900mm over manifold, pipework varies
Screen Display	15" LED Touchscreen display (16:9 aspect ratio)
Reject Type*	Pneumatically controlled valve
Reject Bin	Interlocked pipe for reject path
Operating System	Microsoft Windows 64 bit
Connectivity Options	Ethernet connection available
Traceability Options	Full event log tracks changes of parameters, users and products

*Safe integration with up and downstream pipes. Equipment may require additional customised design.