



XSPECTRA Technical datasheet

Belt width	Customizable
Inspection system length	1280 mm (excl. ejection system)
Belt height	890 ± 40 mm (optional: other greater heights on request)
Belt speed	Up to 50 m/min (depending on product weight)
Flow direction of the product	From left to right (optional: from right to left)
Belt type/material	Blue TPU mats suitable for food contact, brushless motors, 10mm inlet and outlet rollers for optimal product transfer. Easy replacement (optional: blue silicone mat suitable for food contact, when higher friction is required)
Construction materials	Inox Steel AISI 304 and anodized aluminum
X-ray tube maximum power	350 W
Detector key features	Solid state, 0.8/0.4 mm pixels
Cooling System Detector/ X-ray Generator	Closed-loop water cooling through integrated chiller
X-ray protection	Lead-free curtains 1.85mm thick, suitable for food contact (optional: curtains 1.25mm thick, suitable for light products)
Product guides	Optional: customizable according to product needs and eventual multi-line inspection
Tower light	RYG (optional: audible alarm)
Ejection system	Air jet or piston depending on product features
Compressed air supply	3 to 10 Bar
Inspection software	XInspector - the most advanced Artificial Intelligence software to detect foreign bodies and non-conformities in foodstuff (volume, shape, product size, lack of product)
HMI	18,5" Full HD touchscreen monitor. User interface available in Italian, English, French. Three different password-protected access levels for parameter management and machine data access
Data and images	Image download to USB driver, minimum storage of 6 months (optional: image download via SFTP, data and alarm download via OPC-UA protocol according to PackML standard)
Dust/humidity protection grade	Up to IP69K
Environmental Conditions	5° - 35° C, max 80% relative humidity, no condensation
Storage conditions	-20° ÷ +50° C, dry
Weight	400 kg
Power supply	230 VAC, 50 Hz, 16A, Single-phase
Optionals	Scrap container filling control, rejection check, multi-row inspection, visible/infrared inspection, check-weight module
Service - Preventive Care Solution package	Ordinary maintenance, extraordinary maintenance, replacement of components and parts not working properly inside the machine, outside the warranty conditions
Services upon request	Periodic update of XInspector, integration of detection algorithm (e.g. to include detection of new foreign bodies)

XNEXT

ADVANCED INSPECTION TECHNOLOGY



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MADE IN ITALY



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XSpectra® Detection

One machine to detect them all

HIGH DENSITY



Metal

Stone

Glass



LOW DENSITY



Plastic

Wood

Bone

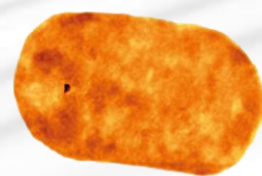
Insects

Olive stone

We detect what the others don't



Plastic fragments
in spreadable cheese



Plastic fragment
in chicken cutlet



Olive stone
in pitted olives jar



Wood splinter in
spreadable cream jar

The most advanced food inspection system

The result of over **10 years**
of applied in-house R&D

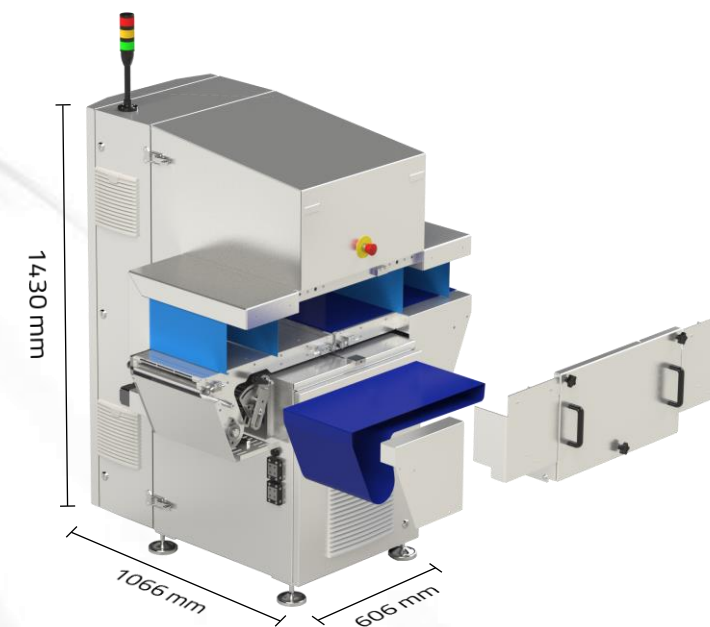
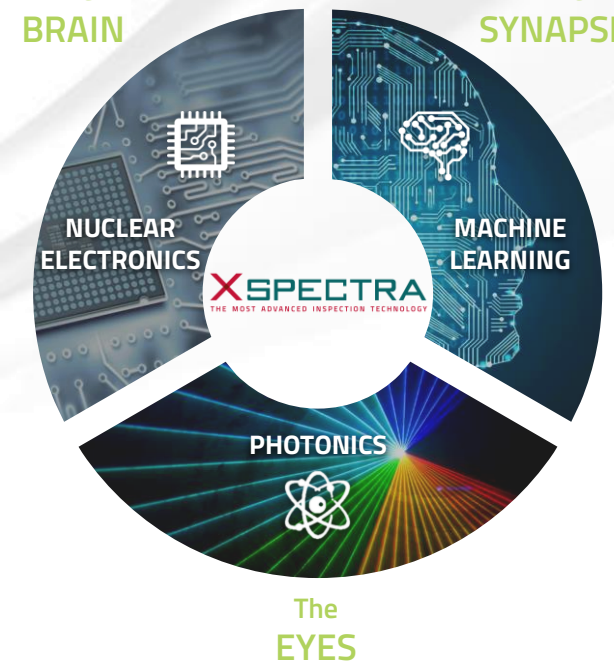
The unique synergy of **3 high**
technological innovations

A cutting-edge **AI inspection**
software based on Convolutional
Neural Networks

A real time multi-energy
spectroscopic analysis up to **1.024**
energy levels (conventional
inspection solutions stop at 2)

The
BRAIN

The
SYNAPSES



DESIGN

- ▶ Compact size
- ▶ Adjustable height
- ▶ New generation of panel with a refined design

FUTUREPROOF

- ▶ Real time chemical-physical analysis
- ▶ Constant SW updates and refinements
- ▶ Modular design to integrate check-weight, visible/IR inspection, ejection modules

HYGIENE and MAINTENANCE

- ▶ Easy to access/clean
- ▶ Easy to remove/change conveyor belt