

THE SMART CORE TECHNOLOGY FOR FOOD INSPECTION



Raycore sets a new benchmark in food safety, combining maximum reliability with cutting-edge detection technology. Thanks to advanced X-ray analysis, the system guarantees the rejection of a wide range of high-density contaminants, ensuring uncompromising product quality.

With **Raycore** it is possible to detect:

- glass fragments from 3x3x3 mm (even in glass containers)
- metal particles such as iron, steel, copper from 1x1x1 mm
- stones and bones from 3x3x3 mm
- certain plastics and rubbers, depending on their composition

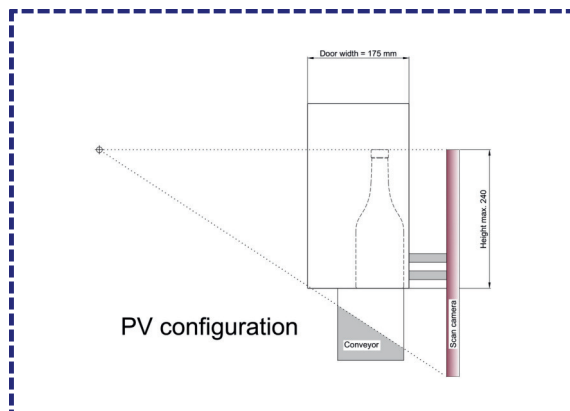
Designed to minimize false rejects (only 3 out of 1000 products inspected), Raycore combines safety with production efficiency, reducing waste and protecting brand reputation.

But **Raycore** goes beyond contaminant detection. It also provides a complete quality check, monitoring:

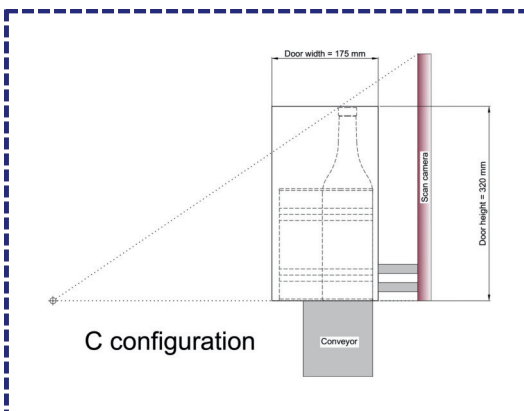
- container integrity (dents, cracks, or breakages)
- correct filling level
- easy open side presence in tinplate cans

With **Raycore**, Raytec delivers not just an inspection system, but a powerful ally in safeguarding both your production and your consumers' trust.

Panoramic view



Can view



Technical features	
Maximum inspection width	Ø 170mm up to 250 mm Ø 60mm up to 320 mm
Product viewing method	Continuous scanning
Max. inspection speed depending on sensor model	100 m/min
Standard sensor height	409,6 mm
Number of pixels	1024
Scanning resolution	0,4 mm
Programmable Type of ejection	Single electro-pneumatic
Processing system	PC Pentium
Operator Interface	18,5" color monitor
Input Output digital signals	32 (16 Input + 16 Output)
External and/or remote access	Ethernet and/or modem
High voltage generator power	500 Watt
Material of the metal structure	AISI 304
Sensor protection level	IP65
Motorized conveyor belt with Inverter	On specific request
Power supply and consumption	
Machine power supply	3F + T
Absorbed power (peak) with 1 motor	2 kW
Processing unit power and voltage	500 Watt - 24 Vdc
Machine Voltage	400 Volt
Frequency	50 / 60 HZ
Protection of electrical control panels	IP65
Pneumatic circuit	
Working pressure for ejection device	4,6 bar
Maximum consumption**	50 NL/min
Dimentions of the machine	
"Standard" height of the product conveying level	830 mm
Length	3800 mm (single reject) 4400 mm (double reject)
Width	1375 mm
Height	2417 mm (air-conditioned)
Weight	~900 kg

RAYCORE

