IQ³⁺ᴱ – Metal Detection Head
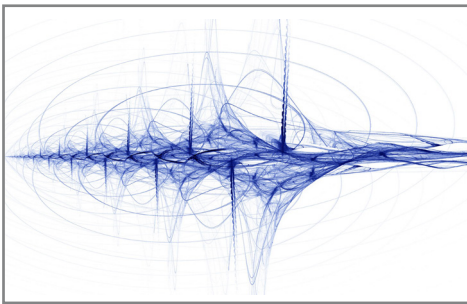## Designed for Food & Packaging Industries

The IQ³⁺ᴱ series of variable-frequency detection search heads are designed to inspect products for metal contaminants in the food, pharmaceutical and packaging Industries. They can be purchased as a search head that can be integrated into a larger packaging line or as a standalone conveyor unit with automatic reject stations.
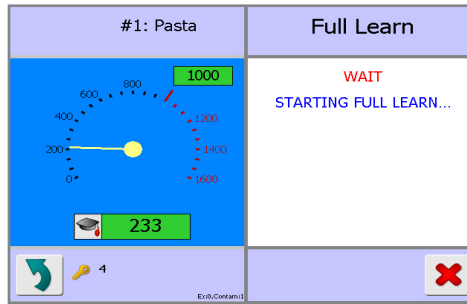
Product Highlights

- Multilingual colour Touchscreen complete with Icon Driven Menu's for easy operation
- IP69K environmental protection (including liner and cover) suitable for both high-care and low-care environments
- Variable-frequency detection (31KHz to 882KHz)
- Full range of aperture sizes to suit products being inspected
- Multiple product memories for rapid product change over and data storage
- Extensive data logging and reporting via USB or Ethernet for HACCP and retail compliance
- Multilevel passwords protection provides secure access and are logged against events for traceability (CFR21 part11)

Variable Frequency Provides the Best Detection Levels

The IQ³⁺ᴱ is built using Loma's revolutionary Variable Frequency technology that allows detection levels to be optimised around a wide range of differing product conditions, including whether they are wet or dry.
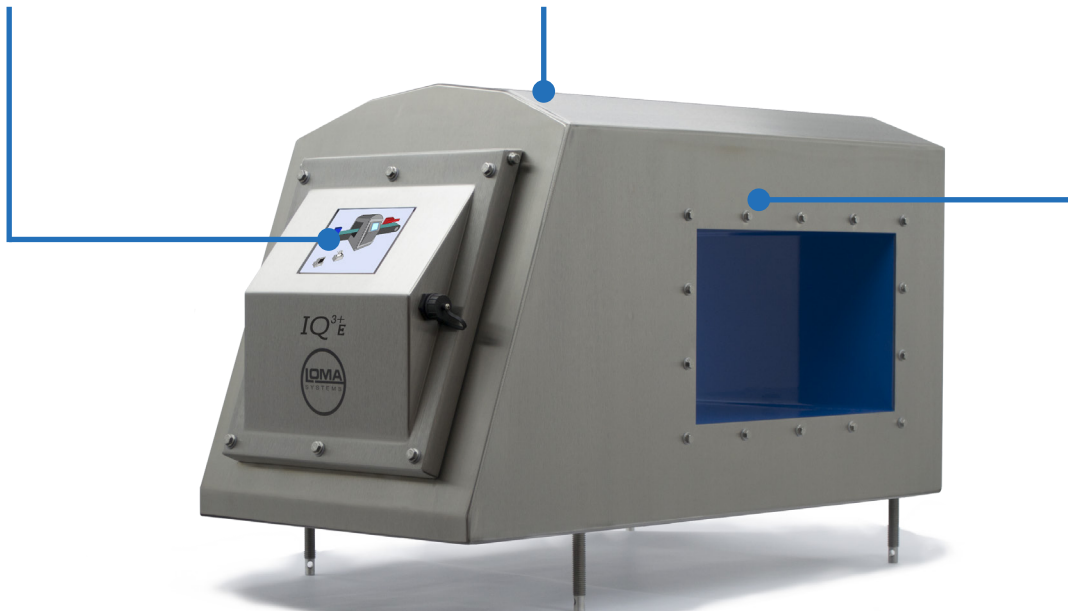

Product Learn Provides Simple and Fast Set-up

Type in your product details, initiate a learn, and pass a pack several times and the IQ³⁺ᴱ is automatically set-up and ready to inspect for contaminants. Fast, simple and accurate.
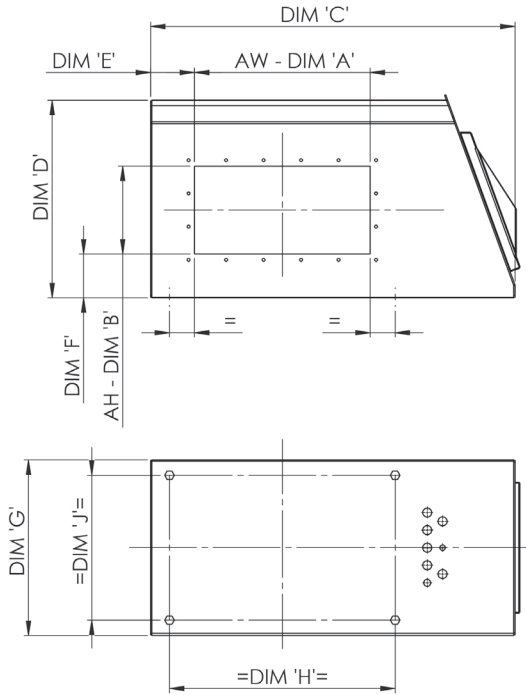

Robust Food Equipment Design

Built with Loma's "Designed to Survive" design philosophy, the IQ³⁺ᴱ is independently verified with an IP69K rating, meaning it is tough enough for wash-down in high-care environments.

Colour Touchscreen Display

Technical Specification

Material of Construction	304 Brushed stainless steel
True Variable Frequency	31KHz to 882KHz
Supply Voltages	110 - 250V AC 50/60Hz
Power Consumption	20VA
Temperature Range	-10°C TO + 35°C (14°F to 95°F)
Humidity	0 to 95% Relative Humidity (Non-condensing)
Environment	IP69K
PVS Enabled	Yes
Ethernet Capability	Yes
USB Capability	Yes

Head Dimensions

Dimension A = Aperture Width
Dimension B = Aperture Height

Dim's																				
B	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550
C	AW+430	AW+430	AW+430	AW+430	AW+430	AW+430	AW+430	AW+430	AW+530	AW+530	AW+530	AW+530	AW+670	AW+670	AW+670	AW+670	AW+810	AW+810	AW+810	AW+810
D	392,5	392,5	392.5	400	425	450	475	500	625	650	675	700	825	850	875	900	1025	1050	1075	1100
E	100	100	100	100	100	100	100	100	150	150	150	150	200	200	200	200	250	250	250	250
F	142.5	130	117.5	100	100	100	100	100	150	150	150	150	200	200	200	200	250	250	250	250
G	300	300	300	300	400	400	400	400	500	500	500	500	600	600	600	600	700	700	700	700
H	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114	AW+114
J	230	230	230	230	330	330	330	330	430	430	430	430	530	530	530	530	630	630	630	630

Other Features

- Rugged construction using brushed 304 stainless steel
- Unique clam-shell designed case and coil geometry that delivers unsurpassed levels of immunity
- Fully integrated Performance Validation software
- 32-bit digital signal processing for enhanced contaminant detection
- Can be integrated into a conveyor system to achieve High Compliance Retail Specification

In association with