



An ITW Company



Standard and harsh metal detectors shown with IQ3+ control panel upgrade.

IQ3 Metal Detectors



Designed for easy integration into production lines, Loma standard and harsh environment metal detectors deliver superior levels of performance. When combined with material handling systems such as conveyors, product inspection can be fully automated. Reduce your operating costs, increase your productivity and improve your competitiveness.

Metal detectors with maximum detection performance

Loma is the leading company when it comes to metal detector systems with over 120,000 installations worldwide. Our metal detectors are the premier systems on the market today.

Loma is the only company in the industry that offers true variable frequency, operating between 40 - 900kHz. Select the correct frequency in seconds and eliminate past performance restrictions caused by limited frequency metal detectors.

Rugged construction consisting of 304L stainless steel, polymers and resins create water and dust tight seals, perfect for improving hygiene and preventing erosion in the most aggressive environments. Choose from either a standard IP66 rated metal detector for washdown or an IP69K rated metal detector for harsh applications.

A unique case and patented coil geometry eliminates interference caused by vibration, electricity, case distortion and thermal shock. Exceptionally stable, Loma technology reduces the potential of rejection from the production process, saving you time and money.

Our metal detector search heads can readily detect the most difficult non-magnetic stainless steels and non-spherical contaminants. Configure your metal detector with a variety of aperture heights and widths.

Industry leading features

True Variable Frequency

Loma is the only company in the industry that offers true variable frequency.

Secure Access

All settings are password protected to eliminate unauthorized access.

Maximum Stability

Unique coil geometry delivers unsurpassed levels of protection.

Control Panel

Integrate a single or dual line display or upgrade to a icon-driven menu with touch screen for easy set up and adjustment.

Intuitive Controls

Automatic product learn for high performance without adjustment.



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About Loma Systems

Loma Systems is the world's leading engineering and manufacturing company specializing in metal detection, checkweighing and x-ray inspection systems. Our products are uniquely engineered for consistent quality with a low cost of ownership.

We have successfully partnered with the world's largest food and packaging companies, located in over 100 countries, to comply with product safety standards and retailer codes of conduct.

'Designed to Survive'

Being the first company in the industry to receive an ISO9001 certification, Loma has earned a reputation for unparalleled technology - the result of a continuous and far-reaching research and development program.

Our goal remains the same - to help you maximize your production uptime, maintain your self-sufficiency and comply with consumer and government demands for product safety.

Models available!

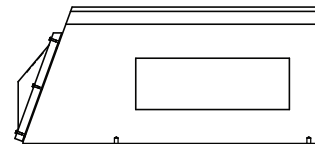
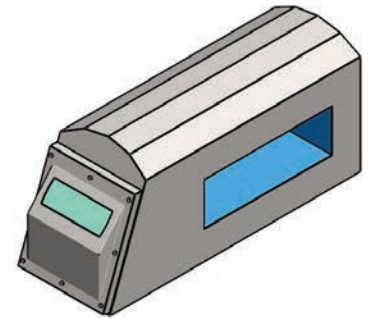
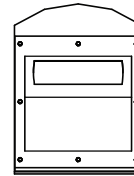


Finish	304 stainless steel with #4 polish finish	
Aperture Heights	75 mm to 450 mm (standard) ¹	
Aperture Widths	250 mm to 750 mm (standard) ²	
Supply Voltages	230 V or 120 1ph / 50 or 60Hz	
Temperature	-10° C to +40°C (14°F to 104°F)	
Humidity	0 to 95% relative humidity (non-condensing)	
Environment	IP66 (standard)	IP69K (harsh)
Features	Built-in operator's manual, 32-bit digital signal processing, 100 product memory, USB port, automatic frequency selection, true variable frequency	
Options	Remote control kit, environmental display cover, adjustable head mount brackets, Loma eNet, data communication package, Loma OPC, serial data link, IQ+ Control Panel Upgrade, IP69K harsh duty liner (white), Performance Validation System (PVS)	

¹ Custom aperture heights available up to 600 mm

² Custom aperture widths available up to 1,650 mm

Metal Detector Search Head Drawings



Data Management

Compliance with HACCP and other quality control methods means it is essential for manufacturers to keep accurate records. Loma eNet and OPC software packages are designed to help food and packaging companies use their detection systems as a management tool as well as a process control. Our intuitive software packages provide step-by-step guidance for simple quality assurance testing. Connect via ethernet or USB to download data direct to your network.

Ongoing Service

Realize the maximum uptime from your inspection systems by relying on the industry's foremost technical experts. Get best-in-class service when and where you need it.

- 1 Onsite repair
- 2 Remote diagnostics and support
- 3 Planned and preventative maintenance
- 4 Spare parts and kits
- 5 Full systems integration
- 6 Refurbishments
- 7 Quality assurance and compliance