



Designed to Survive



Metal Detection



Checkweighing



X-ray Inspection



Services



The launch of the Loma IQ³ Metal Detector was heralded as a revolution in metal detection technology due to its unique variable frequency operation, which means the unit can auto-select the correct frequency for maximum contaminant sensitivity. No longer are operators required to manually optimise frequencies, which is both time-consuming and risky. The IQ³⁺ version adds the benefits of an easy to use, icon driven, intuitive full colour graphical touch screen making it simple to use.

Metal Detection Systems

Search Heads

Our search heads feature unique variable frequency operation for total flexibility. The system is able to auto select the correct operating frequency in seconds. The heads are designed for immunity from vibration, electrical interference, case distortion and thermal shock.

- Optional PC based full colour touch screen
- Automatic frequency selection
- Upgradable, future-proof control unit
- Built to IP69K environment
- PVS (Performance Validation System) failsafe test routine
- Optional ATEX 21 accreditation

Conveyor Systems

The hygienic design and the ability to inspect and reliably reject a wide product range makes the conveyor system the complete inspection package.

- Customised solutions to fit existing lines
- Modular, Intralox or Ply food quality belting
- Range of automatic reject devices to suit line speeds and products
- Designed to meet major retailers legislation

PipeLine Systems

These systems are perfect for pumped product, meats, slurries and sauces. They are available in a range of pipe sizes starting from 50mm (2") and come complete with industry standard fittings.

- Ideally suited for meat pumps such as Handtmann, Vemag, etc.
- Hand filler, Clipper and Linker applications available
- Range of automatic reject valves to suit each application including CIP
- Gas strut for easy height adjustment

Vertical Fall Systems

Ideal for free flowing powder, granules, etc. The vertical fall systems are available in a range of pipe sizes from 100mm (4").

- Compact integrated detector and reject device
- Quick release reject for rapid clean-down
- Test piece capture system

INSIGHT Waferthin compact metal detector available - which integrates with multi-head weigher, vertical form fill and seal bag maker.





Loma produces a wide range of robust, reliable and user-friendly X series X-ray systems to meet demanding product safety standards whether for packaged, bulk-fed or pumped products. Their ability to detect non-metallic contaminants, high grade stainless steel in foil packaging and inspect for weight, size, missing products and shape make them a vital addition to your quality control system.

X-ray Inspection System

Package Inspection Systems

For pack inspection of contaminants in addition to detection of underweight, missing and deformed product.

- 300, 500 and 600mm (12", 20" & 24") belt widths
- Detection of glass, stone, bone, high density plastic and rubber
- Detection of high grade stainless steel in foil packaging
- Detection of missing, overfilled and damaged products

Additional Package systems available:

- Ultra sensitive FinePitch system, ideal for splinter bones
- BulkFlow systems, ideal for a wide range of unwrapped products

SpaceSaver X-ray Systems

Our entry level systems for pack inspection feature simple, easy to use controls.

- Cost effective solution for contaminant inspection
- Detection of high density contaminants
- Ideal for stainless steel detection in foil

PipeLine Systems

For pumped product, ideal for screening raw meat products for bone.

- Detection of bone, glass, stone, high density plastic and rubber
- Complete with industry standard pipe fittings
- Range of automatic reject valves to suit each application including CIP

Crate and Box Inspection Systems

The X4 800XL has a large aperture infeed system that can handle large products, such as bulk raw ingredients, euro crates and meat boxes.

- 800mm conveyor width
- Meets IP66 environment specifications
- Benefits from heavy-duty conveyor components and high quality electronics
- Easy wash down conveyor with a full draining capability





The Loma CW3 checkweigher design minimises vibration and enhances accuracy. Whatever your requirements, we have a model to suit. By networking these devices, we have succeeded in placing the checkweigher at the centre of the production environment, making it a source of information, which can help improve your company's bottom line. The CW3 will easily withstand real-world production line conditions and the intensive cleaning processes needed to maintain hygiene standards.

Checkweighing Systems

LightWeight Systems

Fast and accurate, these checkweighers can cope with a wide range of flexible and rigid packs weighing up to 1500g (3.3lb).

- Superior accuracy levels
- High speed
- Ultra Light system available, weighing up to 400g (0.88lb)

Mid Range Systems

These systems perform with excellent accuracy, even on products with flexible packaging. The multispeed operation maximises accuracy and throughput.

- Tailored weight platforms to maximise performance
- Heavy duty motors, conveyors and a range of reject devices
- Weighing up to 6000g (13.2lb)
- European Weights and Measures approval (MID)
- Networking (Ethernet) for reporting and comprehensive data capture

HeavyWeight Systems

Strong and robust systems built for cases and sacks.

- Heavy duty AC motor and conveyor parts
- Simple construction
- Clear, touch screen display
- Super HeavyWeight system available, weighing up to 60kg (132lb)

DragLink Systems

Suitable for cans and bottles these fast and accurate checkweighers can weigh up to 6000g (13.2lb).

- Clear touch screen display
- High speed / high throughput
- Flexible product applications
- European approvals

Combination Systems

These integrated metal detectors and checkweighers combine our expertise in two inspection technologies to ensure maximum system performance.

- Space saving compact footprint
- Single frame, easy to install and integrate
- Easy to test and validate
- Benefits from an award winning IQ³ Metal Detector





Product Protection within the pharmaceutical industry is tightly controlled by regulation and legislation. Manufacturers, recognising the requirements of Food and Drug Administration (FDA) and the Medicines Control Agency (MCA), adopt stringent standards and protocols. Loma Group has responded to the specific needs of this industry with a wide range of purpose-designed metal detectors, which guarantee the highest standard of inspection.

Pharmaceutical Systems

INSIGHT PH Metal Detector

Designed to exceed stringent industry demands, the INSIGHT PH Pharmaceutical Metal Detector excels in all measures. Highly resistant to vibration, the integrated digital search head and sophisticated OPTIX detector management software enable the INSIGHT PH to clearly display the detailed product profile needed to achieve perfect product setups using the unique DDS (Direct Digital Signal) vector diagram. This guarantees detection and rejection of miniscule metal fragments while maintaining high productivity.

- Inspection of up to 30,000 tablets or capsules per minute before packing, at the highest levels of detection performance
- Stable to extreme vibration and product signal
- Best-in-class detection performance to magnetic and non-magnetic metals
- Menu with multi-language options
- Full IQ, OQ and PQ validation documentation and certification
- User friendly operation with auto-learn and automatic product tracking features
- Lift-flap and diverter rejects with comprehensive failsafe
- OPTIX - a powerful reporting and diagnostic software that displays a detailed product profile for perfect set ups
- External USB port for downloading reports
- Available with wired or wireless Ethernet and SCADA capability
- Stainless steel construction sealed to Nema 4X/IP66
- Fully GMP compliant

These core technologies are complemented by an array of innovative features that deliver tangible benefits to the customer at key stages in their production process.





Loma's aim is to offer unparalleled support to our customers on user-critical equipment. Delivered by trained, experienced technicians who are on hand to ensure your inspection equipment is kept in working order and your site is up to date with the latest food safety and quality control standards. Loma Systems is a world leader in inspection equipment renowned for the quality and reliability of our products as well as unrivalled levels of customer support.

After-Market Services

Service

Loma Group fully understands the impact of lost production time, which is why we have a global team of over 60 direct service engineers and over 300 Loma trained and approved third party technicians who have a thorough understanding of the pressure on companies working in the food and pharmaceutical industry today.

The Loma team has been comprehensively trained to deliver a fast and effective response when issues arise. When a customer calls with a problem, Loma works to get the right engineer on site with the right parts as quickly as possible. Loma prides itself on having the best Response Times and First Time Fix Rates in the industry and we are continually improving our performance against these targets.

We offer a complete service, which includes:

- Break-fix response (both our equipment and competitors)
- Commissioning
- Installation
- Spares
- Technical enquiries
- Remote Diagnostics
- Support for BRC and supermarket audits
- Refurbishments and upgrades
- Training
- Emergency spare kits
- Ongoing maintenance
- Machine Hire



Data Management Software

Loma's Data Management Software is designed to help Quality and Production Managers use their inspection equipment as a management tool for process and production control. These highly effective systems ensure manufacturers maintain full and accurate records of their inspection processes and can access this information simply and quickly.





LOCK
INSPECTION

Established in 1969, Loma Systems is the world's leading brand in the food, packaging and pharmaceutical industries, offering metal detectors, checkweighers and X-ray inspection systems.

Our reputation is based on consistent quality and advanced technology, the result of a continuous and far-reaching research and development program. Short lead times, modular design and excellent availability of spare parts, coupled with our passion for customer service, allows our customers to:

- Comply with, and exceed, product safety standards, weight legislation and retailer codes of practice
- Maximise production up-time
- Be self-sufficient
- Lower lifetime costs

Our headquarters are based in the UK with direct sales and service operations in France, Germany, The Netherlands, Czech Republic, Poland, China, Canada and the US. We work closely with our distributors and OEM's in over 100 countries worldwide to ensure that all our customers are fully supported.

Loma Systems has grown in recent years with the support of ITW and has acquired several companies to form the Loma Group.

- Lock Inspection joined the Group in 2012, they operate in over 60 countries and are worldwide leaders in pharmaceutical metal detection systems.
- Brapenta, a Brazilian-based metal detector company, joined the Loma Group in 2011. They serve the food, pharmaceutical, mining and forestry industries.

Together, we deliver unmatched technology and world-class service.

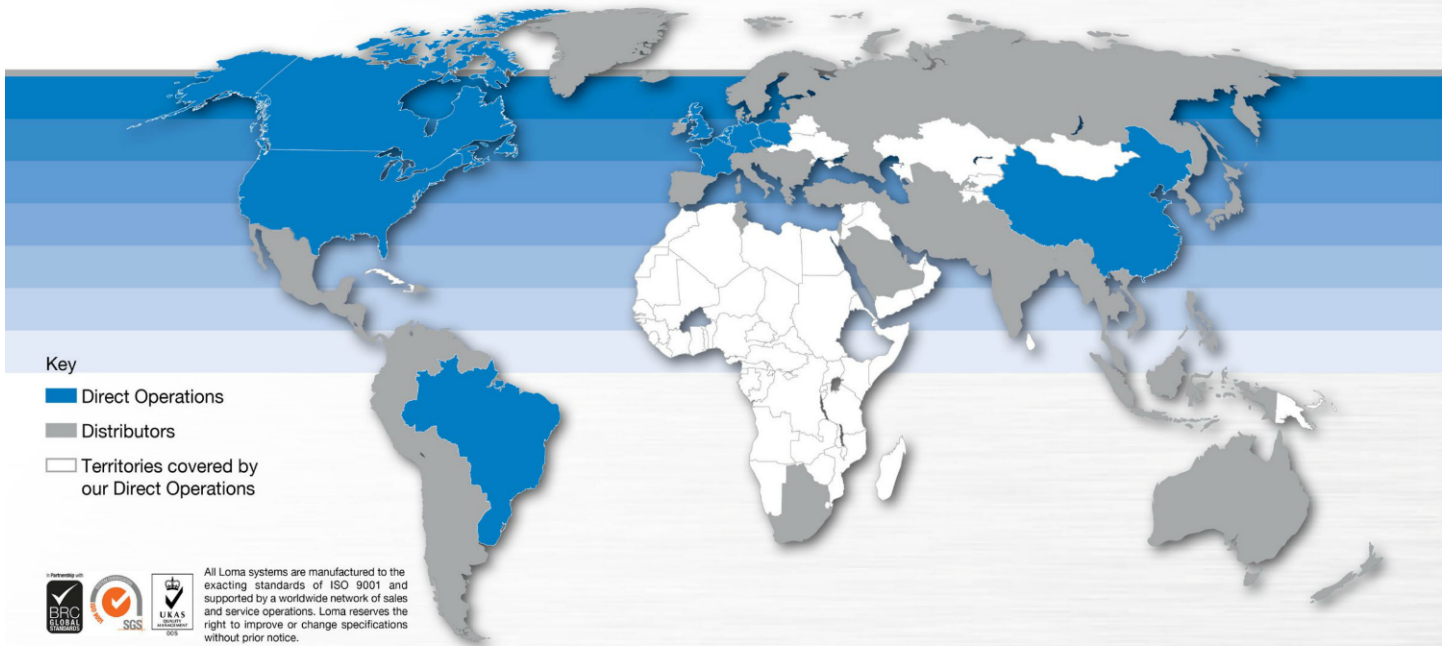
We operate as part of Illinois Tool Works, a US company listed on the NYSE: ITW. The Company has operations globally, employing a workforce of over 55,000 and with sales exceeding \$18 billion. These operations serve markets from construction, automotive and consumer products to food and beverage.



For a detailed look at the features and benefits of our products, please visit www.loma.com

The global presence of the Loma brand

Our sales channels are growing, for the latest information please visit the contacts section on our website.



Worldwide Locations

We operate from several locations in the Americas, Europe and Asia. Across these sites we conduct ongoing research and development, specialised manufacturing, sales and service support. We also have representatives worldwide, who provide sales and service support as one of our distributor partners. All of our customers can be assured that they will be fully served and supported wherever they are.

UK

Tel: +44 1252 893 300
 Fax: +44 1252 513 322
 e-mail: sales@loma.co.uk

USA

Tel: +1 800 USA LOMA
 Tel: +1 630 588 0900
 Fax: +1 630 588 1394
 e-mail: sales@loma.com

China

Tel: +86 21 6410 2396
 Fax: +86 21 6410 2395
 e-mail: cn.sales@loma.com

The Netherlands

Tel: +31 492 573 573
 Fax: +31 492 573 570
 e-mail: bnl.sales@loma.com

Czech Republic

Tel: +420 724 879 496
 Fax: +420 377 183 810
 e-mail: cz.sales@loma.com

Poland

Tel: +48 22 575 70 25
 Fax: +48 22 575 70 01
 e-mail: pl.sales@loma.com

France

Tel: +33 1 55 69 57 78
 Fax: +33 1 69 59 16 21
 e-mail: fr.sales@loma.com

Germany

Tel: +49 511 9666 811
 Fax: +49 511 9666 812
 e-mail: de.sales@loma.com

Canada

Tel: +1 800 387 7987
 Tel: +1 905 842 4581
 Fax: +1 905 842 3460
 e-mail: lomacanada@loma.com

Brazil

Tel: + 55 (0) 11 5641 3410
 Tel: + 55 (0) 11 9 6348 9009
 e-mail: br.sales@loma.com

