



[www.loma.com](http://www.loma.com)

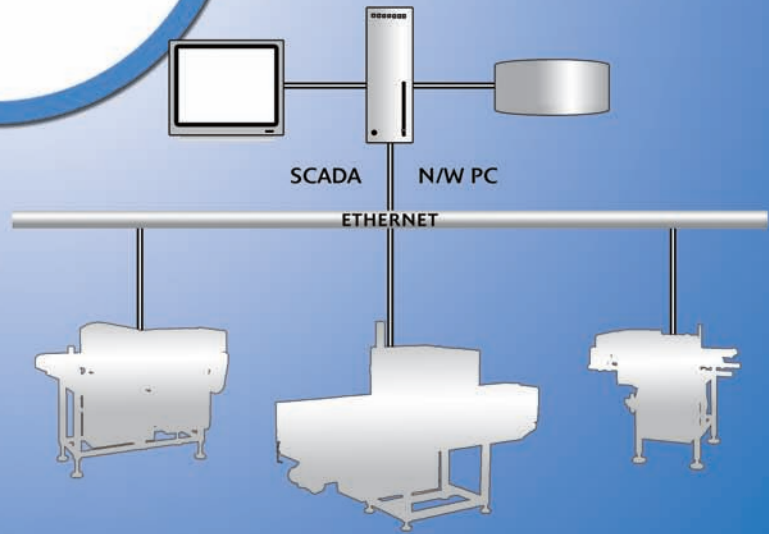
### X-ray Inspection Systems



### Checkweighers



### Metal Detectors



### Data Capture Systems

**Packaging - Processing**  
**Bid on Equipment**  
 1-847-683-7720  
[www.bid-on-equipment.com](http://www.bid-on-equipment.com)

*Designed to Survive*

# Our equipment is designed to survive.

With systems also designed for the pharmaceutical and textile industries, manufacturers can be sure that the metal detection system they choose is best suited to their specific requirements.

## IQ Metal Detector Systems

### Pharmaceutical Systems

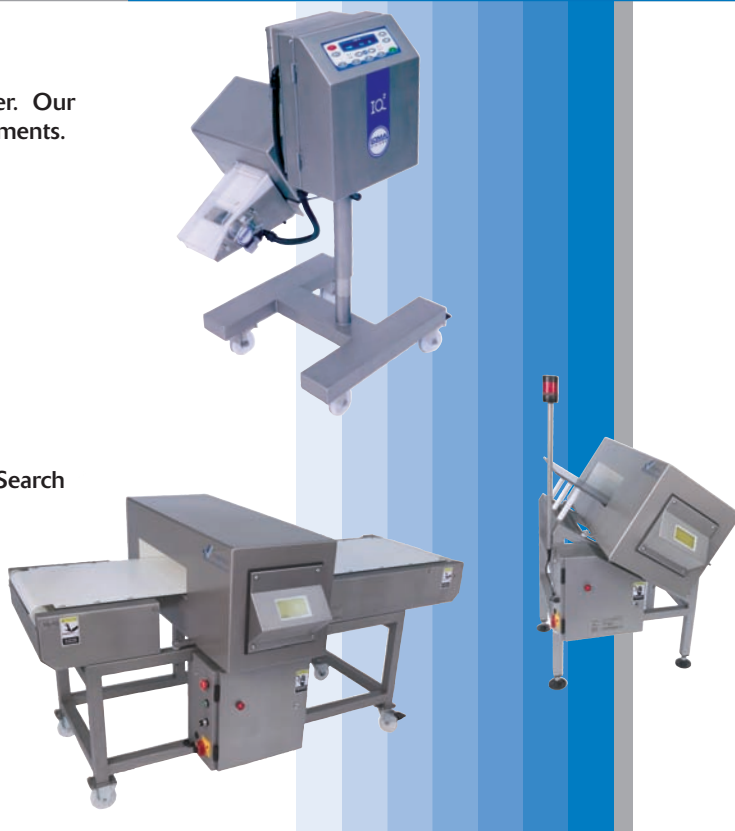
A compact system that can be located after tablet press or de-duster. Our pharmaceutical metal detection systems are suitable for all environments.

- Suitable for free flowing tablets and capsules
- 20mm or 38mm (0.79" or 1.5") aperture height
- Reject and chute dismantles easily for cleaning
- Unique Product Learn System, automatic calibration
- Angle of product shoot fully adjustable
- Failsafe reject

### NeedleSearch Systems

To detect for broken needle in garments and footwear, our NeedleSearch system exceeds industry standards for needle fragment detection.

- Conveyor and chute options
- AM (all metals) FM (ferrous metal) models
- Easy to install and use
- Available in range of aperture sizes



Loma: the world's leading brand of product inspection systems.

## Everyday Applications



Our products have earned a reputation for their robust design, reliability and quality and are designed to survive even the harshest of manufacturing environments.

We serve the food, pharmaceutical, textile and packaging industries; facilitating compliance with international product safety standards, weight legislation and retailers' codes of practice.

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Metal detectors perform a valuable and essential role in process quality control. Our range of IQ Metal Detector Systems are suitable for a variety of applications within the demanding environment of the food industry. The range incorporates advanced features that ensure the highest levels of sensitivity, usability and compliance.

## IQ Metal Detector Systems

### Search Heads

Our patented search heads feature unique multi-frequency operation for total flexibility. The system is able to auto select the correct operating frequency in seconds. Built to IP69K (NEMA PW12) standards, 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
- Ultra harsh MAX option
- PVS (performance validation system) failsafe test routine
- HACCP compliant reporting

### 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.

- Customized solutions to fit existing lines
- Modular or Ply food quality belting
- Range of automatic reject devices to suit line speeds and products
- Failsafe monitoring for reject, bin full, line blockage

### FreeFall Systems

Ideal for free flowing powder, cereals, nuts, etc. The freefall 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
- Reject failsafe monitoring

### PipeLine Systems

These systems are ideal 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.

- Perfect complement for meat pumps such as Handtmann, Vemag, Risco, etc.
- Range of automatic reject valves to suit each application including CIP
- Automatic linker and hinge versions
- Electrical interface for pump speed and clip inhibit
- Compact, minimal increase in overall pipe length
- Gas strut for easy height adjustment



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

## X<sup>4</sup> & X<sup>R</sup> X-ray Inspection Systems

### 300-600 Package Inspection Systems

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

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

### 300-600 Bulk Flow Systems

For bulk flow inspection of a wide range of unwrapped products.

- Detection of glass, stone, bone, high density plastic and rubber
- Full image processing including shape recognition
- Multi channel reject systems for minimal product wastage

### PipeLine Systems

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

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

### Entry Level Systems

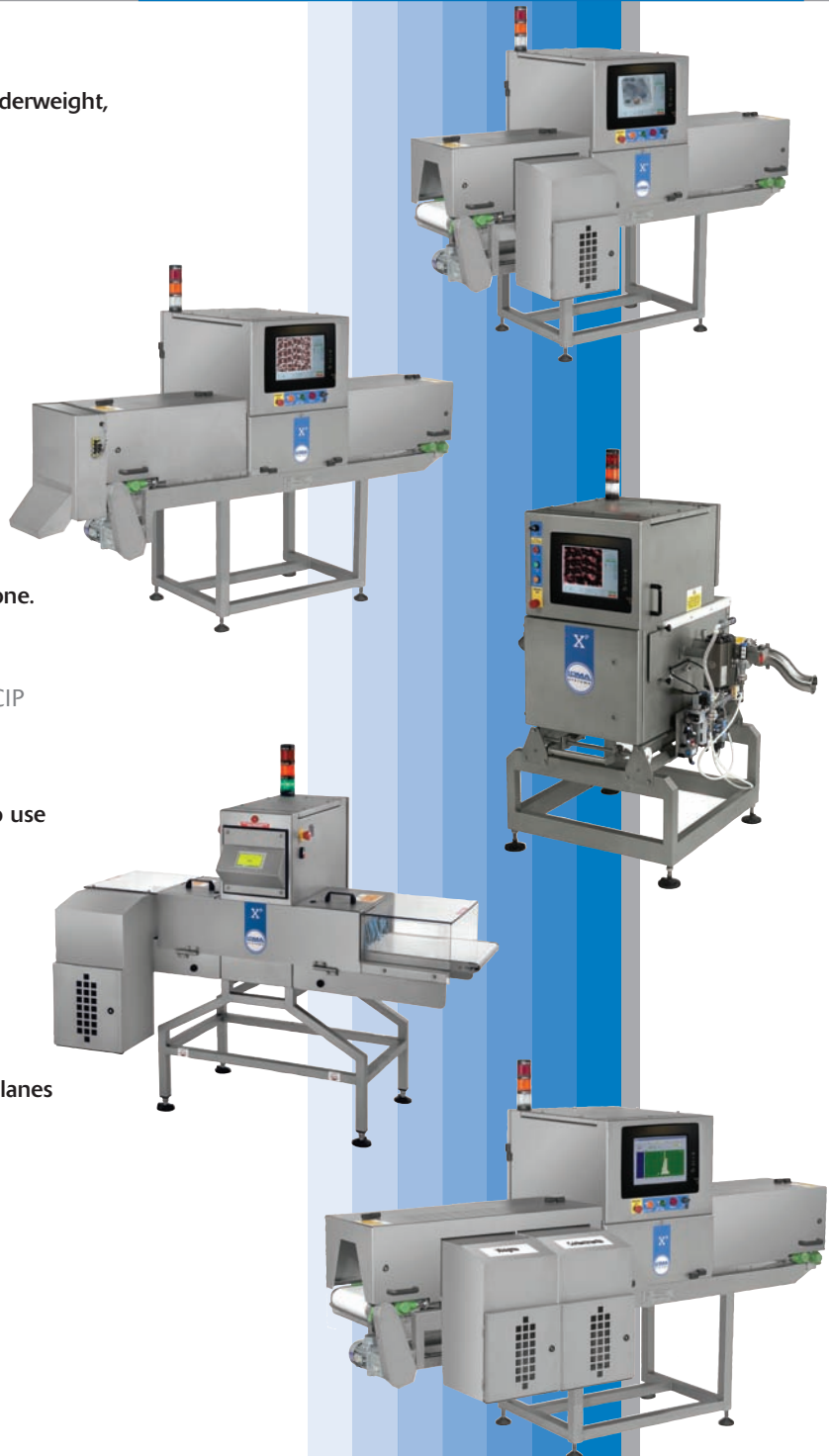
Our entry level systems for pack inspection feature simple, easy to use metal detector type controls.

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

### X-weigh

A revolutionary X-ray system for pack inspection with advanced checkweighing capabilities. X-weigh can inspect and weigh multi lanes simultaneously.

- 300mm or 500mm (12" or 20") belt widths
- Comprehensive national average and minimum weight statistics
- Live weight data trends and product give-away reporting
- Detection of glass, stone, bone, high density plastic and rubber



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Our checkweigher design minimizes 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.

## CS & LCW Checkweighing Systems

### Light and Mid Range Systems

Suitable for rigid and flexible products, these systems perform with excellent accuracy, in particular with flexible packaging. The multispeed operation maximizes accuracy and throughput.

- Tailored weight platforms to maximize performance
- Heavy duty drives and conveyors
- Range of fully automatic reject devices
- Weighing up to 6000g (13.2lb)
- European approvals
- Networking (Ethernet) for reporting and comprehensive data capture

### Heavy Weight Systems

Strong and robust systems built for cases and sacks weighing up to 60kg (132lb)

- Heavy duty AC motor and conveyor parts
- Simple construction
- Very low maintenance

### Combo Systems

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

- Space saving compact footprint
- Single frame, easy to install and hook up
- Easy to test and validate

Both with easy to use full color touch screen display.

**CS Range** - Robust, easily maintained systems for European markets

**LCW Range** - Modular and flexible, designed for the tough American markets



## Data Capture Systems

Our Data Capture Systems are designed to help Quality and Production Managers to use their inspection equipment as a management tool as well as for process and production control. These highly effective systems ensure manufacturers maintain full and accurate records of these inspection processes and are able to access this information simply and quickly.

### LomaEnet

Entry level Report Capture software that eliminates the need for printers and hard copy reports.

- Easy Ethernet hook-up
- HACCP compliant reporting
- Easy Archiving
- Compliments PVS (Performance Validation System)

### OPC

Loma OPC is an invaluable management tool that supports comprehensive data analysis. It features a user configurable system allowing inspection devices to be accessed from a central computer.

- Connect devices over Ethernet network
- User configurable screens
- SCADA compatible
- Classifier bar charts
- Real time data and trend reporting
- Archived reports



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