


*Designed to Survive®*

# Product Inspection Systems for the Pharmaceutical, Nutraceutical and Medical Device Industry

Tablets | Capsules | Soft Gels | Lozenges | Powders | Blister Packs | Sachets | Vials | Tubs

# IQ4 LOCK-PH Pharmaceutical

The new compact IQ4 LOCK-PH Metal Detector offers advanced detection performance, construction quality and reliability, making it the most effective inspection solution for the high-speed elimination of metal contaminants in any capsules, tablets, soft and hard caps after the tablet press and de-dusting processes. The new IQ4 LOCK-PH offers world class detection preformance at a excellent lifetime cost of ownership.

## Fits these **Applications:**


Tablets


Capsules


Soft Gels


Lozenges

### Intuitive
7" colour touchscreen enables ease of use and simple operation.

### Innovative
Its streamline design makes the unit faster to wash down and sterilise between product changeovers.




### Capability
The detector and reject is able to process up to 30,000 tablets a minute and is designed to keep pace with any future processing equipment.

### Robust
The 304 stainless steel easy-clean polished frame ensures stress free cleaning.

### Flexible
The frame is adjustable via height, width and angle of tilt via a gas strut and has a new clamping sleeve, ensuring the unit can be conveniently manovered to be up running within minutes.

## Rejection of Products

Available with 12 different reject options, the IQ4 LOCK-PH is ideally suited to a wide range of site and process requirements. Each reject system is designed to reject the minimal product when contamination is detected and each reject device can be removed for cleaning without the use of tools. To accommodate high potency preparations, wash-in-place (WIP) and dust-tight (DT) metal detectors are fitted with the appropriate product chutes and reject systems to enable safe and stress free processing.


Lift flap


Wash in place


Dust-tight


Diverter (Failsafe)

# IQ4 LOCK-PH Vertical Fall Pharmaceutical

The quality of finished product can only be guaranteed if incoming and in-process materials are effectively screened to remove all unwanted metallic particles. Vertical Fall metal detectors are recommended to inspect incoming raw materials in free-falling powder or granular form and to inspect formulations prior to tabletting or encapsulation.

## Fits these **Applications:**


Powders


Granules

**Throughput**
Inspect up to 3000 KG per hour.

**Accurate**
Best in class detection to magnet and non-magnetic metals.

**Compliance**
The unit includes standard failsafe, reject confirmation, air failure, audible alarm and reset key switch.




**Friendly**
Auto-learn and automatic product tracking for user-friendly operation.

**Reliable**
Up to 8000 data events can be stored and retained even during power interruptions.

## Rejection of Products

There are two different reject systems available to ensure contaminants are safely and reliably rejected from the production line. The Sealed Valve Reject is completely dust-tight thus eliminating any cross contamination. The Cowbell-type diverter style reject will reject contaminated product into a separate reject bin.


Sealed Valve Reject


Cowbell Diverter Reject

# **IQ4 BottleChek** Metal Detector Conveyor

The BottleChek Metal Detector Conveyor inspects bottles or vials at the end of the packaging line for unwanted metallic particles. Deployment of the reject system takes place without causing bottle damage or product loss in the event of metal contamination being detected.

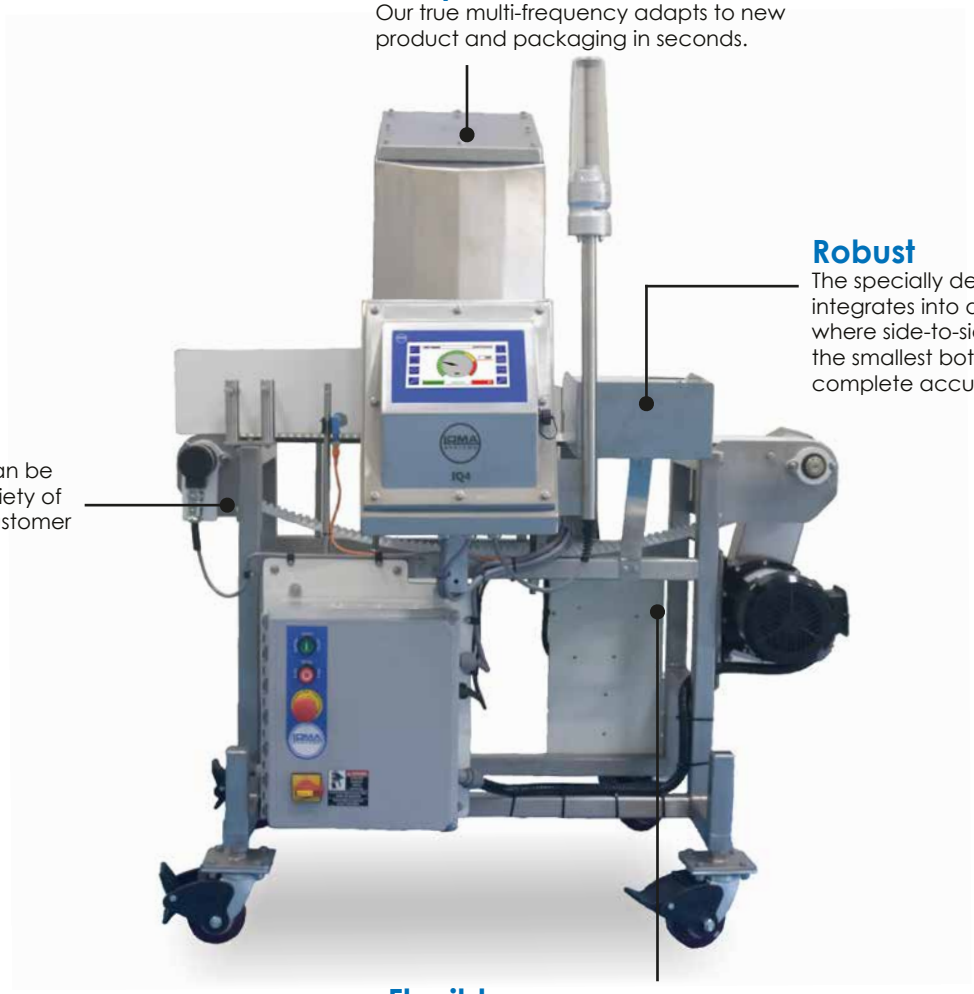
## Fits these **Applications:**

- Bottled Products
- Vials
- Tubs

### Adaptable
Our true multi-frequency adapts to new product and packaging in seconds.

### Robust
The specially design conveyor easily integrates into a production line where side-to-side bottle transfer of the smallest bottles is achieved with complete accuracy.

### Versatile
The bottle check can be specified with a variety of head sizes to suit customer requirements.



### Flexible
Available with a full range of systems and reject options: including full fail-safe specification compromising reject confirmation, air failure alarm and bin full alarm.

## Rejection of Products

The Insight BottleChek is available with different reject options: A Reject Tray where rejected product is pushed off the production line into a stainless steel tray, a standard, lockable reject bin or a side-by-side transfer to another conveyor belt.



Stainless Steel Reject Tray



Reject Bin

# Checkweighing

Checkweighing is a method of safe guarding for product weights. A Checkweigher system will check weights of products whilst in motion, rejecting any products that are over or under the set weight. All our Checkweigher systems are approved to both OIML and MID (EC TAC) specifications and include Automatic Mean Weight correct, which helps to ensure weight legislation.

## Fits these **Applications:**

- Blister Packs
- Packaged Goods
- Sachets

### Simple operation with colour touchscreen

Icon driven full colour touchscreen control interface, including multi-level password access and data logged events to aid traceability.

### Fast and Accurate Setup

Type in your product details, initiate setup, and pass a pack several times and the CW3 is automatically set-up and ready to use for average or mean weights.




### Save Money, Reduce Product Give Away

Using a highly reliable loadcell technology the CW3 gives you accurate readings while minimizing unnecessary product give away.

# X-Ray Inspection

X-Ray Inspection system offers complete quality assurance protection, allowing manufacturers to 'see' inside packages and perform a variety of checks including, fill level, mass measurement, component counting and missing or broken product. Metal packaging will have no effect on the X-Ray detection levels so is ideal for inspecting blister packs, metallised or aluminum lids of vials or bottles. Furthermore, an X-Ray Inspection system will not just identify metal but also glass, dense plastic and rubber.

Fits these **Applications:**

- Blister Packs
- Packaged Goods
- Sachets

## Designed with new Users of X-Ray in mind

A simplified yet powerful inspection feature set, plug & play installation, reliable inspection & low cost of ownership makes the X5c an ideal choice for those switching to X-Ray for the first time.

## Get Inspecting Fast with Loma's Product Learn Wizard

A set-up wizard automatically optimises the X5c for each product type & allows you to learn or allows you to learn or switch to new products within minutes.




## Quick release belt

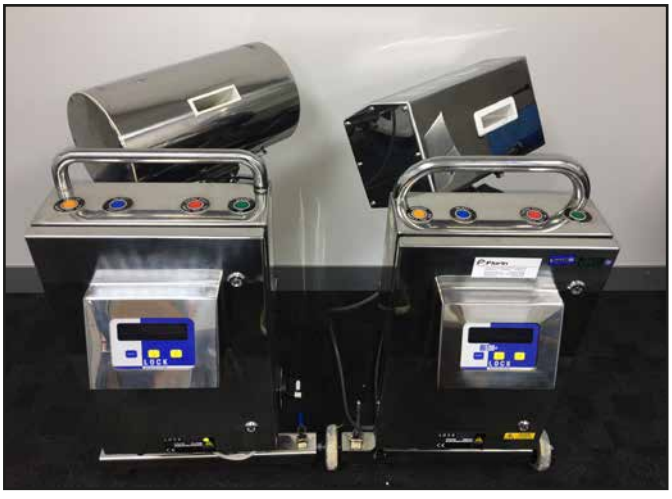
No tools required for easy cleaning.



# **USE YOUR HEAD** *with* our Search Head Exchange Program

Upgrade your Met 30 and Met 30+ Pharmaceutical Metal Detector head to the next generation to receive these great benefits from our latest search head model:

- Advancements on the stability of the head which reduces false rejects and improves detection performance
- No graphite within the head which enhances longevity and reduce service costs
- Fully serviced with new product chute, head cable and Calibration Report
- Cost effective route to take advantage of new technology
- 12 month warranty



The new Metal Detector head will be mounted on your current frame and will utilize your current reject system, thus maintaining the same serial number and software versions to minimize any validation requirements. With stock of heads and mounting in our global service centers, we can offer very quick turnarounds on this program.

## Worldwide Locations

Headquartered in the UK, LOMA SYSTEMS operates from several locations in the Americas, Europe and Asia. Across these sites LOMA conducts ongoing research and development, specialised manufacturing, sales and service support. Through a worldwide network of OEM and distributor partners, LOMA supplies and supports inspection equipment in over 100 other countries.


Farnborough, UK


Manchester, UK


Helmond, Netherlands


Chicago, USA


Plzen, Czech Republic


Shanghai, China


Sao Paulo, Brazil


Nantes, France


Dinslaken, Germany


Warsaw, Poland

## About LOMA SYSTEMS

Established in 1969 in the UK, LOMA SYSTEMS designs, manufactures and supports inspection equipment used to identify contaminants and product defects within the food, packaging and pharmaceutical industries, principally offering Metal Detectors, Checkweighers and X-Ray Inspection systems.

With the addition of the LOCK Inspection, Cintex and Brapenta brands and products, LOMA's reputation is based on consistent quality and advanced technology, the result of continuous and far-reaching research and development programmes. 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

We are part of Illinois Tool Works (ITW), a global Fortune 250 diversified industrial manufacturer of value added consumables and speciality equipment with related service businesses. Operating under the core philosophies of 80/20 business processes, customer-back innovation and a decentralized entrepreneurial culture, ITW's seven industry-leading segments leverage the ITW business model to generate solid growth with best-in-class margins and returns in markets where highly innovative, customer-focused solutions are required. These divisions serve customers and markets around the globe, with significant presence in developed and emerging markets. ITW's revenues totalled US$13.6 billion in 2016, with more than 50,000 employees worldwide.


Local contact

HOANG LONG TECHNOLOGY
Always for your product quality





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