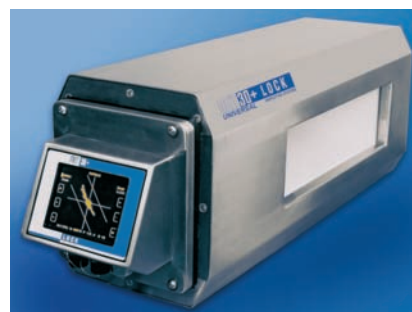


PRODUCT PROTECTION WITH THE

MET 30+ *UNIVERSAL* Range of Digital Metal Detectors



- Digital electronics provide optimum detection and removal of ferrous, non ferrous and stainless steel metal contamination
- Unrivalled product and brand protection
- All Lock's metal detectors are available with Membrane Keypad or Touchscreen interfaces. Full network capability for up to 40 machines using Datachek
- Can be custom-engineered for integration with processing or Packaging Machinery
- MET 30+ *UNIVERSAL* with HIGH FREQUENCY option provides up to 30% greater sensitivity with dry product
- Protection of food, pharmaceutical, packaged or bulk product

YOUR PARTNER IN PRODUCT PROTECTION

LOCK

INSPECTION SYSTEMS

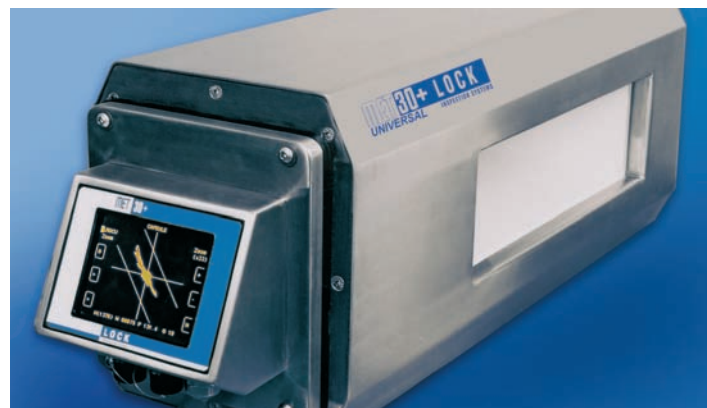
TOTAL PRODUCT PROTECTION WITH LOCK'S DIGITAL MET 30+ *UNIVERSAL* RANGE

MET 30+ *UNIVERSAL* METAL DETECTOR OPTIONS

Effective product protection is critical to all branches of the processing and packaging industry, ensuring safety and quality that are demanded by retailers and consumers. Lock Inspection Systems has raised the benchmark for metal detection and removal with its new range of digital MET 30+ *UNIVERSAL* metal detectors, which guarantee the very highest of standards of inspection and conform to all leading quality standards.

Lock's leading edge technology delivers key benefits at every stage of the production process

- Ensures efficient detection of real-life contamination such as swarf and wire.
- Lock's high frequency *hf* detector offers the highest sensitivity on non-ferrous and stainless steel metals for dry product applications. The *hf* option now available as single frequency or triple frequency option
- Unrivalled sensitivity with product in challenging conditions, the *3f* version operates at any of three crystal frequencies for ease of use with high temperature or wet food, and food in metallised film packaging.
- Conveyorised metal detection systems incorporate fail-safe features, which deliver the ultimate protection for packaged products.
- Lock are accredited with ISO 9001. All products are manufactured to food industry CE standards and ATEX Zone 21 and 22.
- Ideal for hazard risk management procedures such as HACCP.
- A range of Data Management systems are available on Lock's metal detectors and checkweighers to help collect, store and produce product quality records.



MET 30+ *UNIVERSAL* TOUCHSCREEN DETECTOR

MET 30+ *UNIVERSAL*

Lock's MET 30+ *UNIVERSAL* sets metal detection standards within the food, pharmaceutical, textile, paper and other industries. The digital metal detector delivers:

- Exceptional sensitivity at all frequencies
- Withstands aggressive cleaning
- Auto-learn and automatic tracking features
- Password-protected security

MET 30+ *UNIVERSAL 3f*

The MET 30+ *UNIVERSAL 3f* metal detector operates at three frequencies (30 kHz, 100 kHz or 286 kHz) and automatically selects the optimum frequency for each product. The *3f* is very flexible and can inspect wet or dry products, metallised film packaging and products at high temperature.

MET 30+ *UNIVERSAL 3f / hf*

MET 30+ *UNIVERSAL 3f / hf* operates at 100 kHz, 286 kHz and 875 kHz. This detector can optimise sensitivity for dry products in non metallised film at 875 kHz, dry product with moisture content at 286 kHz, but can also inspect the same product wrapped in metallised film at 100 kHz.

MET 30+ *UNIVERSAL hf* System

The MET 30+ *UNIVERSAL hf* metal detector is particular effective when inspecting dry foods such as biscuits, potato chips and flour.

- High frequency detector at 875Khz
- Improved sensitivity for non-ferrous & stainless steel metals
- Sensitivity 30% higher than standard food detectors

ENVIRONMENTALLY RUGGED LINERS

Lock's MET 30+ *UNIVERSAL* stainless steel horizontal metal detectors are now available with two new durable solid one-piece 'collar' liners.

ABS Liner

- Sealed to IP 65
- Potential dust and dirt traps eliminated
- Solid bond between liner and detector case



HDPE Liner

- Sealed to IP 67 and IP 69k
- Withstands cleaning to high pressure and temperatures
- For heavy duty washdown applications



LOCK

INSPECTION SYSTEMS



MET 30+ UNIVERSAL RANGE OF METAL DETECTORS :

MET 30+ Waferthin 'Throat' Detector

Lock's MET 30+ *UNIVERSAL* Waferthin is a slender 117mm deep and specifically designed to be installed between scales and vertical form, fill and seal bagmakers.

- Ideal for limited space installation
- User-friendly operation
- Sensitivity well beyond industry standards
- A range of bagmaker installation kits can be supplied
- Universal mounting



Vertical Fall Metal Detector

The MET 30+ *UNIVERSAL* compact vertical fall system can be installed at the beginning of the production line to inspect materials in bulk powder or granule form or anywhere for free falling products.

- Detects real-life contaminants
- ATEX zone 21 approved
- Throughput up to 50 tonnes per hour
- Quick release sealed valve or cowbell reject mechanisms available
- Sealed to IP 66 for washdown applications

MET 30+ *UNIVERSAL* Pipeline Metal detector

Purposed-designed for contaminant detection of products transported by pipeline, especially foodstuffs such as meat, vegetables, preserves, soups, pet foods, dairy products, powders and pastes.

- Unparalleled accuracy in all environments
- A broad range of flow-rates for industry standard pipe sizes
- Automatic reject valves available
- Sealed to IP 66 for aggressive washdown applications



Checkweigher / metal detector combination unit

Lock's WeighChek series of checkweigher and metal detectors offer a real-time, rapid, reliable and accurate unit to conform to all packaging line requirements

- Compact design permits installation in the most confined of line layouts
- Ergonomic graphical interface panels are rotatable and tiltable
- Sealed for either IP 54 or IP 65 environments
- Broad selection of automatic reject mechanisms available
- Networking capability with Datachek software



CONVEYOR SYSTEMS

The Euro conveyor, which can incorporate all of Lock's MET 30+ UNIVERSAL metal detectors on its chassis, is a fully compliant conveyor and detector for Food, Pharmaceutical and packaging industries.

- Sealed to IP54 or IP65
- Supplied with food grade polyurethane or modular plastic belt.
- Fully stainless steel construction
- Audible alarm fitted as standard, automatic rejects (see options)



EURO CONVEYOR SYSTEM

The System 3000 conveyor complies with standards for all food and pharmaceutical applications.

Features include:



- Supplied with food grade polyurethane or modular plastic belt
- Fully stainless steel construction (in brush grain finish)
- Sealed to IP54 or IP65
- Fail safe package available.

SYSTEM 3000 CONVEYOR SYSTEM (USA only)

The Micro System provides maximum reliability while occupying minimum floor-space. This allows the manufacturer to shield both its brand and customers from serious consequences of product contamination.

- Compact system
- System length starting at 500mm
- Full stainless steel construction
- Belt stop alarm
- Supplied with modular plastic or poly cord belt
- Standard belt widths: 200mm, 300mm & 500mm



MICRO CONVEYOR SYSTEM

This rugged conveyor can be used for loads up to 100Kg. Ideally suited for the meat, poultry and bulk food industries.

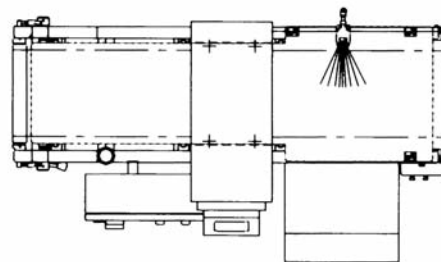


- Sealed to IP66
- Fully Stainless Steel construction
- Fitted with Drum Motor
- Supplied with modular plastic belt
- CE approved

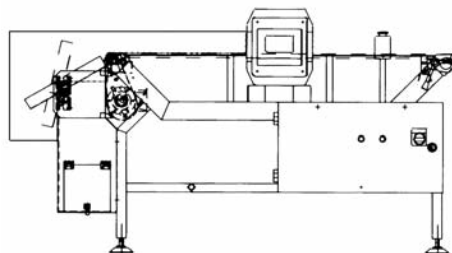
IX CONVEYOR SYSTEMS

REJECT OPTIONS

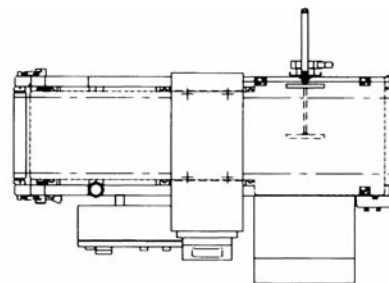
Airblast Reject



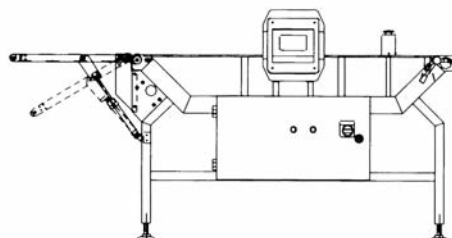
Lift Flap Reject



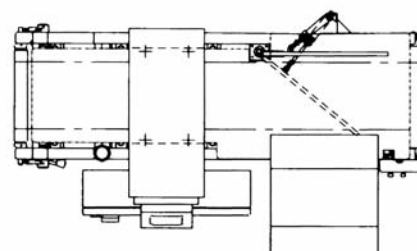
Pusher Reject



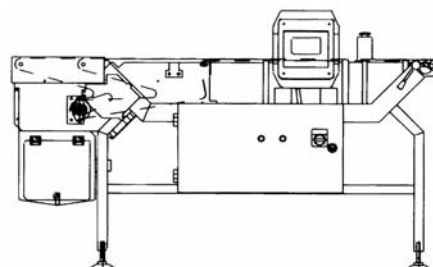
Driven Drop Flap Reject



Diverter Arm Reject



Retracting Band Reject



SOFTWARE MANAGEMENT OPTIONS

Lock's range of software management systems have been designed to assist manufacturers to comply with quality procedures such as HACCP, ISO and Weights and Measures regulations.

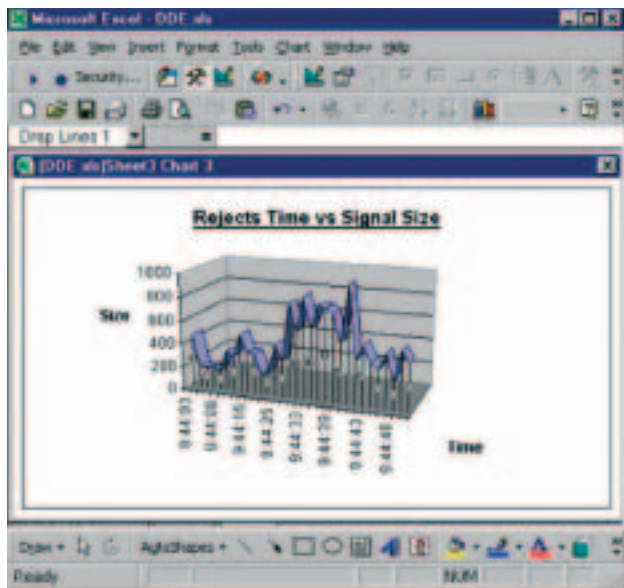
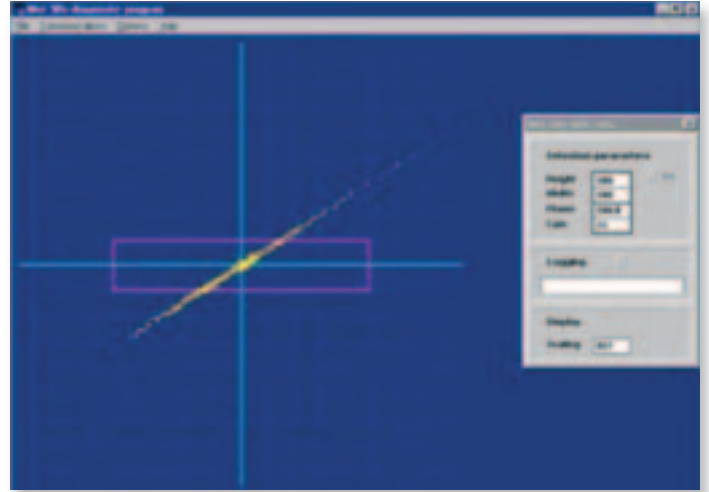
The software systems offer two-way communication for identification and collection of data to reduce downtime and optimise performance.

ADC Software System

Lock Inspection Systems' ADC operating software has been designed to deliver a series of user-friendly menu screens providing operational and maintenance staff with a powerful on-screen diagnostic tool.

The unique graphic technology acts as a 'window to the detection envelope', which helps identify and resolve problem areas and also simplifies data analysis of metal contamination and product signal.

ADC software can be operated from a laptop or via the metal detector touchscreen operator panel.



DATA CHEK (Data Management System)

Lock's Datachek software enables manufacturers, contract packers, retailers and brand owners to manage, monitor and collect information from all Lock's metal detectors and checkweighers for traceability procedures.

DataChek offers the facility to connect multiple devices to a single PC for a valuable central management system to aid Quality staff to comply with HACCP and ISO 9000 procedures.

The software offers Product Information, Validation and Calibration Reports, Real-Time performance records, Remote supervision and Password protection.

BATCH CHEK Software System

Lock Inspection Systems' Batchchek software system was primarily designed for the Pharmaceutical market to meet FDA 21 CFR, Part 11 requirement.

The software implements all security access controls, user identification, audit trails, electronic records and electronic signatures, so in the event of contamination, batches can be fully traced and accounted for.

An industrial panel PC replaces the detector's user interface, so product set-ups, tests and diagnostics are run from the machine itself.

The image shows a software interface for 'Batch Details (Batch ID = TEST BATCH)'. It displays a log of events: '24 Mar 2003, 01:48:32 : Batch started by LEVEL 2', '24 Mar 2003, 01:48:32 : Batch ID = TEST BATCH', '24 Mar 2003, 01:48:32 : Batch Location = LOCAL', and '24 Mar 20'. Below the log, there is a form with fields for 'Batch ID :-' (containing '1027-43') and 'Location :-' (containing 'LINE 4'). A keyboard overlay is shown in front of the form, with buttons for numbers, letters, and function keys like 'ENTER', 'SPACE', 'CANCEL', and 'CONFIRM'.

For further information on the software management systems contact Lock personnel

Leaders in metal detection and checkweighing technology

With over half a century's experience of delivering custom-designed automated quality assurance solutions, Lock Inspection Systems is setting new standards in metal detection and checkweighing technology.

Lock's technical team builds on a database of past experiences compiled from around the world to design tailored solutions to its customers' individual requirements. Devoting sustained investment in new product development, the company continues to pioneer innovative equipment that sets ever-higher benchmarks in product protection.

Backed by an extensive international network, our technical and customer services in Europe and the USA provide unparalleled after-sales care and consultancy. Lock has secured a leading position in product protection for the food, pharmaceutical and textile industries and is proud to be allied with many of the world's foremost manufacturers.

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