

DYNAMIC, FULLY
AUTOMATIC &
COMPACT DESIGN

***WeighChek* RANGE**



- Complete range of checkweighers for all manufacturing industries
- State-of-the-Art technology gives enhanced performance with inherent reliability
- Two options of ergonomically designed interfaces: Touchscreen or Keypad
- Broad selection of automatic reject mechanisms
- Product and Brand Protection

LOCK

YOUR PARTNER IN PRODUCT PROTECTION

INSPECTION SYSTEMS

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***WeighChek* RANGE**

Lock Inspection Systems has acquired, over several decades, an enviable reputation for delivering highly reliable checkweighers to companies throughout the world's leading food, pharmaceutical and industrial manufacturing industries.

Building upon that experience, and following extensive research into the evolving needs of those industries, the innovative WeighChek series incorporates state-of-the-art technology and enhanced performance while continuing to deliver the reliability synonymous with Lock's equipment.

- **The *WeighChek* is a compact design permitting installation in even the most confined of line layouts.**
- **Machines can be specified for either IP54 or IP65 environments.**
- **There is a broad selection of automatic rejection mechanisms available.**
- **All *WeighChek* series machines offer either a high-utility touch-screen display interface or a keypad membrane for the most aggressive environments.**
- **Both displays have on-screen graphics capabilities and are of a bright sunlight readable type.**

User-Friendly

All ***WeighChek*** machines are available with one of two ergonomic graphical user interface panel options:-

1. The standard interface panel is a touch-screen version
2. The second option is a keypad membrane for more aggressive environments

Each uses a bright sunlight-readable Electroluminescent (EL) screen, superior to LCD or VF alternatives.

Intelligent & Powerful

Real-time, rapid, reliable and accurate processing is achieved by two high speed Motorola 32bit microprocessors.

These powerful chips are purpose designed for long-life in demanding industrial applications.

Each machine incorporates a fully-protected dynamic loadcell, approved by the O.I.M.L.

Installation & Maintenance

Compact design permits installation of the ***WeighChek*** series machines in the most confined of line layouts.

Transport Conveyors use high-power, long-life brushless AC motors. These offer true IP65 rating with high torque and unequalled reliability.

Full product integrity can be protected by space-saving combined units incorporating metal detectors

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INSPECTION SYSTEMS



The operating software has been diligently designed to deliver the machine's in-built intelligence via a user-friendly series of menu screens.

Using its own intelligence, the machine will calculate many of the vital set-up parameters for each new product.

The SmartWeigh will indicate the weigh-pulse for each product passage and can also display any background 'mechanical' noise experienced by the loadcell.

WeighChek's graphic screen delivers troubleshooting and training benefits

Conveyor speeds are set through the touchscreen or keypad and then stored automatically for up to 100 different product presets.

Auto speed control conveyors automatically ramp to the preset pack speeds with the touch of the product clause key.

Interface panels are rotatable and tiltable.

Real-Time processing of the weight signal is carried out within the machine's powerful suite of software - this guarantees enhanced operating speeds.

2-way machine communication is achieved via RS232 or RS485 ports.

WeighChek machines may be networked together to monitor control and performance data transmitted between each machine and the user's management information system.

One or two weigh platforms may be controlled from one panel. This enables tare-weighing or economically-priced twin-laned configurations.

Using 'SmartWeigh' the weighing process is optimised ensuring high accuracy across a wide range of product sizes and belt speeds.



Hygiene

Each **WeighChek** machine frame is fully welded, to high food industry standards. Horizontal sections have angled surfaces to prevent unhygienic material build-up.

Construction of the **WeighChek** is either stainless steel to IP65 rating or in painted form to IP54 rating.

Quick and Easy removal of individual conveyors or belts in minutes with no tools.

Ranges

WeighChek machines utilise a full range of automatic reject options.

Three series of WeighChek are available:

- **CK** for pack weights from a few grammes up to 2.5kgs.
- **CB** combined machines from 200 grammes to 2.5kgs. (incorporates a LOCK MET 30+ metal detector, controlled from the **WeighChek** interface panel).
- **CH** 'heavyweight' from 2.5kgs.

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 to 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 and have secured a leading position in product protection for the food, pharmaceutical and textile industries. Lock is proud to be allied with some of the world's foremost manufacturers.

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