MCheck 2

Fast, accurate and reliable checkweighing

- **Full washdown to IP69K**

- **Approved for process and end of line applications**

- **Speeds up to 245ppm subject to product size**

- **Innova Food Processing Software**

Fast, accurate, reliable checkweighing for the food industry

MCheck 2 combines high levels of accuracy with flexibility and capacity, making it the ideal choice for any food processing company – both in wet and dry production environments and end-of-line applications.

Whether you need a process weigher for monitoring and optimising the accuracy of the process equipment in your factory, or a checkweigher to ensure compliance with weight legislation, MCheck 2 will meet your requirements.

Compliance

MCheck 2 weighs and checks a wide variety of indexed packs or pieces in a continuous flow against predetermined limits. It prevents underweight and/or overweight packages and rejects 'out of spec' packs while ensuring compliance with weight legislation for sealed packs.

Line optimisation

MCheck 2 can carry out weighing before and after a process for yield calculation and check the number of items in a package on the basis of weight.

Trend regulation to reduce giveaway is achieved via feedback to other equipment in a system. The machine can also feed information forward to a dosing system to ensure accurate package weights.

Full wash down hygiene

MCheck 2 can withstand intense high pressure and temperature wash down procedures to IP69K, thanks to its excellent, sturdy design. Quick release belts and swivel reject bins make for easy cleaning.

Accuracy and food safety

MCheck 2 features a range of metal detection and reject options which remove off weight and metal contaminated packs from the product flow. Single and twin reject confirmation, combined with lockable reject bins, ensures food safety and quality control.

TREND LIGHT INDICATOR

TOUCHSCREEN

WEIGH TABLE

Features and benefits

- An optional trend light indicator provides a visual representation of average product weight over a specified number of packs or products
- Optional single and multi-frequency metal detection ensures quality control on single and multi-product lines
- A choice of single pusher, flipper, twin reverse flipper or drop flap reject with reject confirmation reliably removes off weight and metal contaminated products from the product flow
- Fully approved remote access / display option

437 g GROSS

MCheck 2 modular configuration

MCheck 2 is a modular checkweigher and can be configured to suit the weighing and reject requirements of your production. A number of standard configurations are shown below.

Weigh table and console

A choice of weigh tables to handle products up to 350mm width and 595mm length with a weight of up to 6000g is available.

Weigh table and console with infeed conveyor

Subject to weigh table size, infeed conveyors from 325 to 650mm length can be selected.

Weigh table and console with infeed conveyor and single reject

A choice of single flipper or pusher reject with open or lockable bins can be fitted.

Weigh table and console with infeed conveyor and twin reject

A choice of twin flipper and pusher rejects with open or lockable bins to reject metal contaminated, on- and off-weight products is available.

Control and document your final product with Innova

Marel's Innova Checkweighing module provides real-time monitoring of key performance indicators and collection of data for statistical analysis, enabling processors to track operational performance and optimize production line efficiency.

Benefits

- Real-time monitoring allows for intervention in the event of performance deviation
- Reports enable historical analysis of give-away results
- Easy, fast and cost-effective implementation
- Configures product parameters such as weight limits and batch sizes from a central location
- Collects data from multiple checkweighers in a single database
- Date and time for metal rejections makes it possible to pinpoint time of incident
- Detailed reports enable monitoring and analysis of the process and produces legally required documentation
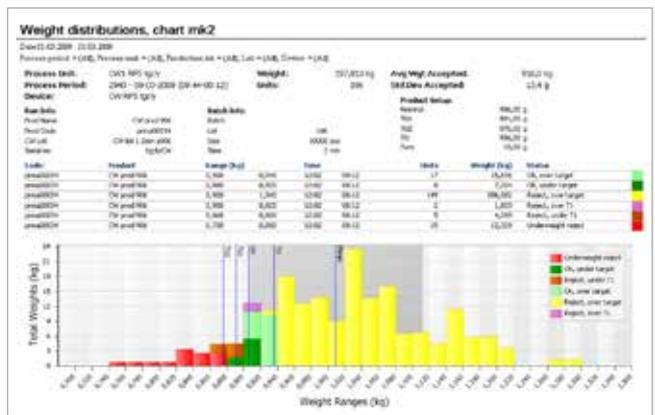

INNOVA
Food Processing Software

Stay in control with a real-time overview of machine performance
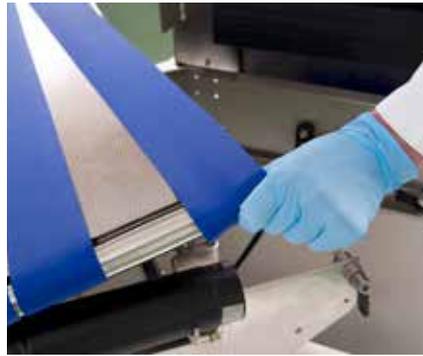

Track overall equipment efficiency

Report on weight distribution

Ensure compliance with EU legislation with 'e' weighing reports

Easy access for cleaning and maintenance

Quick release belts easily removed for cleaning

Full washdown to IP69K

Technical information

Performance

Throughput: up to 245packs/min
Belt speed: up to 80m/min

Standard weighing configurations

40g – 1000g by 0.5g
80g – 3000g by 1g
160g – 6000g by 2g

Multi interval weighing available on request.
Automatic zero tracking
Measuring instrument directive 2004/22/EC

Pack sizes

	Length	Width	Height
Minimum:	50 mm	50 mm	10 mm
Maximum:	595 mm	350 mm	150 mm

Net weight

120kg

Power requirement

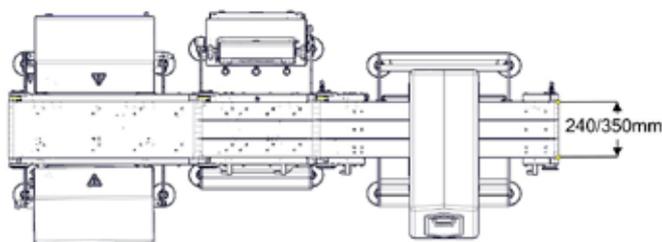110/230V +/-10%, 50-60Hz,
1 phase, 8A/4A
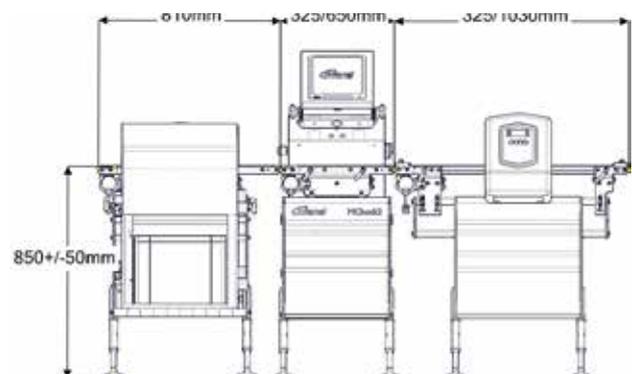
Environment

Temperature: 0–35°C
Humidity: 40–60%°

Compressed air

1.25l/min at 0.6MPa

Standard weigh table with metal detector infeed and twin reject shown

Marel is the leading global provider of advanced equipment and systems for the fish, meat, and poultry industries.

ADVANCING FOOD PROCESSING

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