# Weighing solutions

Fast and accurate weighing and packing scales

- Robust bench and floor scales
- Flexible and operator-friendly
- Fast, accurate and reliable weighing
- Unique design
- Hygienic and easy to clean

# Optimal weighing performance

**The Marel M1100, M2400 and M6415 weighing units combine the highest levels of accuracy, durability and ease of use.**

Marel offers a range of robust weighing units specifically designed to withstand the harsh conditions of the washdown environment – without any trade-off in weighing accuracy.

## Fast, accurate and extremely reliable

Our range of weighing solutions has proven to be fast, accurate and extremely reliable. They are suitable as stand-alone installations or as a part of a complete production management system.
The bench and floor platforms can be connected to a comprehensive range of Marel weighing indicators, controllers, printers, software and accessories to suit individual processing needs.

# Powerful features

**The Marel scales pack powerful features into a conveniently small space. These robust and highly stable scales are designed for minimal maintenance and are capable of enduring decades of daily use.**

Super-fast and reliable, the scales accurately register and record weights 0,5 seconds. They provide high levels of accuracy and durability due to the unique design and construction of the weighing platform. The scales are available as both single and dual-range versions, allowing for greater accuracy in weighing lighter pieces when necessary.

## Hygienic and easy to operate

Constructed from high quality materials, the scales are water-resistant to IP67 and IP69K standards. All corners and edges are round, preventing any buildup of dirt, making them easy to clean for maximum hygiene.

## Overload & sideload protection

The scales have improved overload and side-load protection and come with either metric (kg, g) or imperial (lbs, oz) weighing units, depending on the system required.

## Full software connection

The scales are designed for close integration with the Innova Food Production Software. Innova controls and monitors every step of the production process, offering full coverage of the factory floor. Innova ensures reliable data collection and provides full traceability throughout the production process, from the reception of raw material to the dispatch of finished goods.

# M1100 scales

## Efficient packing and grading

Versatile, accurate and incredibly fast, the M1100 grading and packing scale is designed to meet the need for a flexible, extremely robust scale in the food processing industry. The M1100 can handle a wide variety of weighing jobs and has 15 built-in packing memories and 5 grading memories. It can be placed anywhere in a factory, from dry packing areas to very wet or humid areas.

## Fast, accurate and extremely durable

The Marel M1100 series provides accurate weighing that reduces giveaway and decreases turn-around times. The scale ensures improved efficiency, greater weighing accuracy and improved quality.

## Suitable for different needs

The M1100 scale is available in several versions, offering a weighing range of 1.5 kg to 300 kg, depending on the model chosen. At a compact 180x140x62 mm, the M1100 indicator packs an impressive array of powerful features into a conveniently small space.

## Features

- Compact design and small footprint
- Weighing range of 1.5 kg to 300 kg
- Available as single or dual-range scale
- Display with under/overweight indicator
- Water-resistant to IP67 and IP69K standards
- Stainless steel AISI 316
- Battery version available

# M2400 scales

## Advanced weighing, grading and packing

The Marel M2400 digital scale is designed for weighing, packing and grading various products in the food processing industry. Efficient precision and application versatility are among the key benefits of the M2400. The scale comes in a land or marine version. A variety of bench or floor platforms are available, each with a range of applications.

## Hygienic, easy to maintain and clean

Constructed of food grade, stainless steel, the M2400 is fast and accurate. It is designed to meet the most stringent food hygiene requirements. Smooth, rounded edges and easy-to-clean surfaces minimize food trap areas. With a touch-sensitive yet tough, hardwearing keypad, the Marel scales are easy to operate. The large LED easy-to-read display and an under/overweight indicator—makes it easy to operate under any conditions.

## Speed, performance and precision

Tough and reliable, this high-quality scale has some of the fastest settling times in the industry: 0.5-1 seconds. The M2400 can be programmed with the Lua script language to perform customized jobs to suit different requirements. Using Innova Food Processing Software, enables processors to monitor and measure production with ease. The M2400 delivers speed, accuracy and value with its powerful performance in the harshest of conditions.

## Features

- Large, easy-to-read, backlit LCD display
- Smooth, rounded edges and easy-to-clean surfaces
- Very fast settling time, 0.5 seconds
- Easy-to-use Lua programming language
- Water-resistant to IP67 and IP69K standards
- Stainless steel AISI 316

# M6415 scales

## Increased flexibility and overview

The M6415 scale is specially made from FDA approved materials making it safe to use in the food industry. The user friendly touch-screen interface gives the operator on the plant floor an easy access to Innova or other production management systems. The scale has a W&M approved weighing module that is built into a PC-compatible architecture, increasing the flexibility for multiple purposes.

## Reporting features

Encased in a water-resistant stainless steel housing to assure durability. It is perfect for quality checks, data collection, reporting and control with ease of use and increased productivity provided by Intel Pentium® N3710 Quad core processor. There is a wide range of accessories available for the M6415; stands, brackets and waterproof external keyboards.

## Features

- Flexible and easy to integrate into processing systems
- PC-compatible architecture, Windows 10
- High quality 15" touchscreen with graphical color display
- Stainless steel AISI 316
- Waterproof to IP67 and IP69K

# Floor scales

**All Marel floor scales can be fitted with the M1100, the M2400 and the M6415 indicators. They have all the same features as the normal packing, grading and system scales.**

The floor scales can operate as single or dual-range units, changing from low to high range in response to the load on the platform. Designed and constructed to suit a wide variety of weighing operations, the floor scales come in a variety of platforms including 600 kg trolley platforms, 1500 kg floor platforms as well as a range of 2000 kg U-platforms for euro pallets.

### Features

- Water-resistant to IP67 and IP69K standards
- Hygienic and easy to clean due to open construction design
- All cables are inside the construction to avoid accumulation of dirt
- The four hermetically sealed stainless steel load cells have an IP67 protection rating
- Fast settling time 1 second

## Accurate and built to last

Marel's floor scales are built to be the most reliable, robust and hygienic scales on the market. They are able to withstand the harshest working environments while consistently delivering accurate results.

# Optimize your weighing process

The Innova packing and labelling applications enable different types of processors to gain the advantage they need from their weighing and packing operations.

## Innova Packing

Marel's Innova Packing system is an advanced packing and labeling solution with full inventory, order processing and palletizing capabilities. The software supports Marel's full line of scales and terminals, ranging from basic stand-alone scales - where minimal operator input is required - to advanced IPC terminals where the operator can manage orders and pallets with the capacity to key in various product parameters. Innova Packing has advanced order-processing capabilities. A product can be packed to order selected by the operator or the system can automatically select an order based on order status and priority. Packing stations can be added, customized and plugged in on-site.

## Features

- Supports a wide range of standalone scales and IPC terminals
- Own-label design using a wide variety of fields from the Innova database
- Packs to order, using operator selected orders or automatically selected orders
- Packs to the same orders and pallets on multiple scales
- Includes a configurable data processing back-end

## Innova Packing Lite

Innova Packing Lite is a cost-effective, standardized solution for the weighing and labelling of outer cases, supporting full product traceability. Future-proof and economic, it is specifically designed to meet the needs of low-volume and mid-sized processors, providing a simple, standalone and highly reliable packing solution. Innova Packing Lite works with Marel's M1100, M2400 and M6415 scales and supports up to five packing stations.

## INNOVA
Food Processing Software

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

## ADVANCING FOOD PROCESSING