

Marel Batchers

Fixed-weight batching for the food industry



- Fixed-weight batching of almost any product size
- High accuracy – minimal giveaway
- Easy to operate, with user-friendly interface
- Easy cleaning ensures high levels of hygiene



Fixed-weight batching



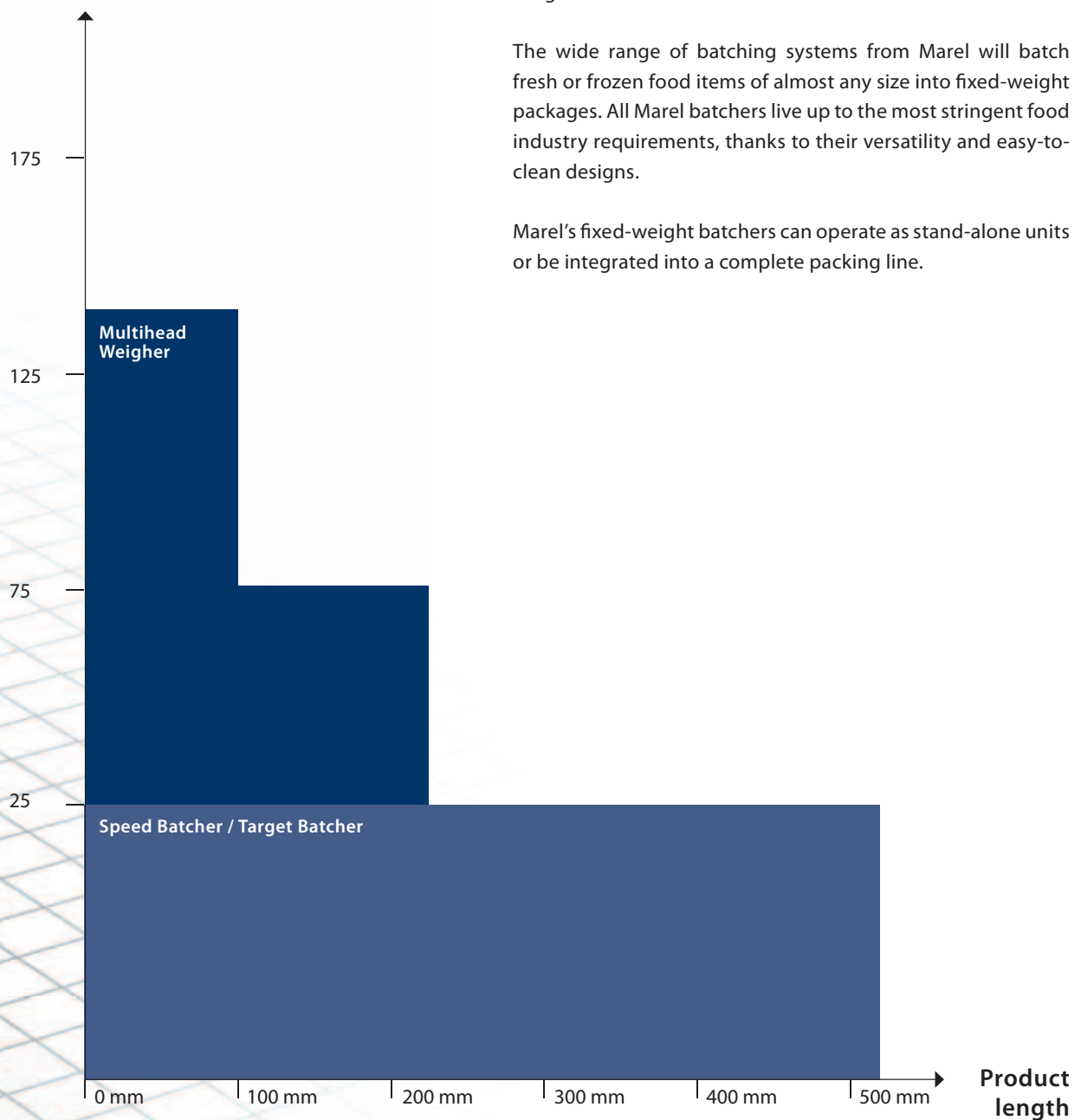
Why fixed-weight batching?

The benefits of fixed-weight batching are many. It is especially important for food processors to keep giveaway as low as possible when packing their products, yet ensuring an exact target weight to be delivered to the customers.

The wide range of batching systems from Marel will batch fresh or frozen food items of almost any size into fixed-weight packages. All Marel batchers live up to the most stringent food industry requirements, thanks to their versatility and easy-to-clean designs.

Marel's fixed-weight batchers can operate as stand-alone units or be integrated into a complete packing line.

Batches/minute





Target Batcher - flexibility

The Target Batcher is a unique weighing machine that combines a predetermined number of fresh or frozen products into a package with an exact weight.

With 7 high-accuracy individual scales and 14 holding bins, it only takes a fraction of a second for a Target Batcher to select the optimal combination of products to achieve any pre-set weight for the batch.



Speed Batcher - bulk packing

The Speed Batcher system can create batches at very high speed. The Speed Batcher automatically weighs raw material into sub-weights that are then selectively combined to form the optimal batch weight.

This capability means the Speed Batcher outperforms all conventional bulk packing systems in terms of both speed and accuracy. The unit is fully automatic – from input to outfeed.

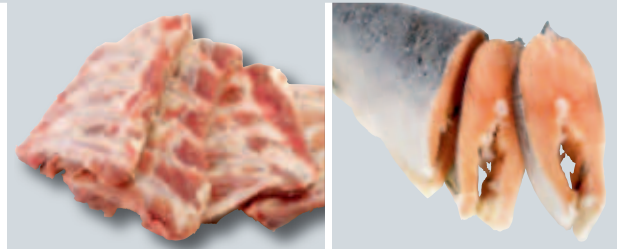
Multihead Weigher - retail packing

The Multihead Weigher deals with all infeed, mixing and weighing requirements. It automatically portions and packs food products into virtually any kind of tray, thermo pack, bag, can, glass or box.

The products are dispensed into hoppers by vibrating feeders and weighed into exact portions.



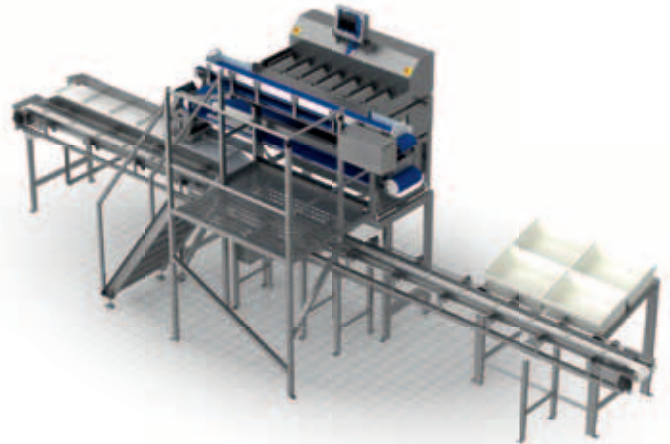
Target Batcher



For basic batching and packing

The Target Batcher is easy to integrate into production lines with many different configurations, delivering fixed-weight batches directly for subsequent manual or automatic packing.

The Target Batcher also works as a standalone unit with a variety of packing and bagging stations. When delivering fixed-weight batches to two or more manual packing stations, the Target Batcher automatically feeds each station equally, to ensure maximum efficiency.



Prefill line

When batching to fixed-weight trays the Target Batcher prefill line is ideal for improved capacity in more difficult and complex batching tasks. With the prefill setup, different products can be fed to the infeed station and to the Target Batcher, resulting in one combined fixed-weight package of mixed products.



At the infeed station, the trays are partially loaded and styled, and then fed to the Target Batcher via pre-weighing stations. The Target Batcher instantly identifies the best-fit portions to fill up the tray with an absolute minimum of overweight. The portions for fill-up will be delivered to the outfeed station on a synchronised conveyor for final styling.



Benefits

- Accurate fixed-weight batches – minimal giveaway
- Increased throughput – greater efficiency
- Equally suitable for small or large packages
- Easy to clean

 **Compatible with Innova**
– Intelligent production control system

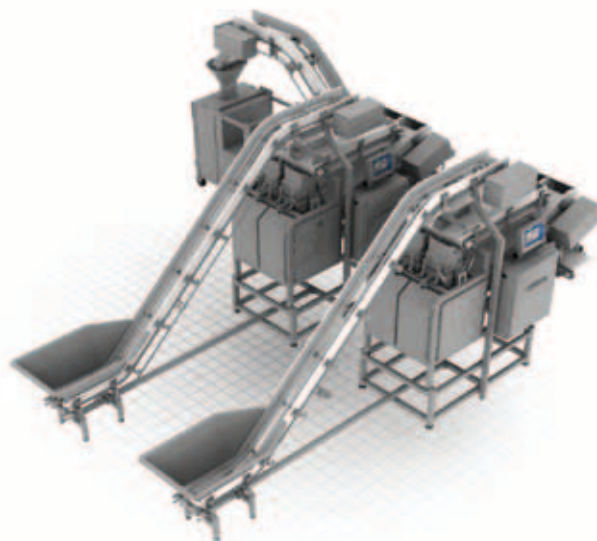
Versions / specifications	TB-3000		TBL-3000	
				
Batch size	Max. 2 kg		Max. 2 kg	
Hopper volume (Liter)	1.3 L	0.4 L	2.6 L	0.8 L
Max. item size	330x127 mm	330x121 mm	330x178 mm	330x190 mm
Throughput	18–30 batch/min		18–30 batch/min	
Working temperature	0 to +40 °C		0 to +40 °C	

Speed Batcher



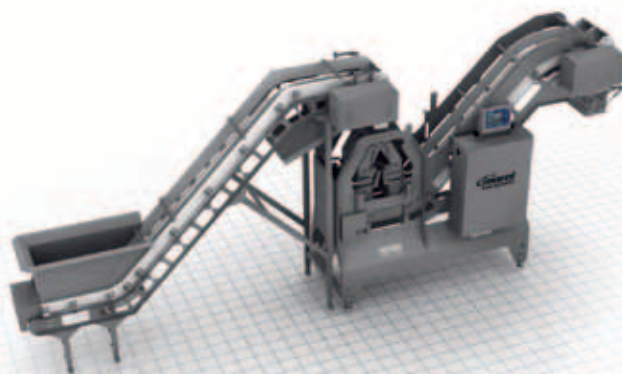
Complete production lines

All versions of the Speed Batcher are designed to operate as part of a complete production line, or as a stand-alone unit with automatic or manual bagging.



Small jobs – high throughput





The Speed Batcher is best suited for small batches ranging in weight from 300 g to 1000 g. The Speed Batcher will batch up to 23 batches of fresh or frozen products per minute.



Benefits

- Reduced giveaway combined with great accuracy
- Automatic weighing and registration of all packs
- Easy to operate thanks to the user-friendly M3000 graphic indicator
- Easy access for cleaning, ensuring excellent hygiene

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Versions / specifications	SBS	SBM-3000	SB-3000	SBL-3000
				
Batch size	0.3–2 kg	0.8–10 kg	4–30 kg	4–30 kg
Hopper volume (Liter)	1.8 L	4.25 L	12.9 L	18.8 L
Max. item size	120–180 mm	180–270 mm	260–380 mm	380–500 mm
Throughput (up to)	23 batch/min	16 batch/min	14 batch/min	12 batch/min
Working temperature	-10 to +40 °C	-10 to +40 °C	-10 to +40 °C	-10 to +40 °C

Multihead Weigher



High-speed – low giveaway

Marel offers a variety of standard solutions for packing almost any kind of product into a vertical-form fill seal machine. The Multihead Weigher delivers extremely accurate batches at very high speed, and its compact design ensures that the unit only takes up very limited floor space.






Mix and match

Combining the Multihead Weigher with Marel distribution tools, such as different chutes, makes it easy to split and mix different products when packing. The Multihead Weigher also packs products into virtually any kind of packaging solution, including trays, thermoformed trays, bags, boxes and cans.



Benefits

- Specially designed to deal with wet and sticky food products
- Low maintenance costs – self-adjustment technology
- Very hygienic
- Extremely low giveaway
- Up to 3 years warranty on parts

Versions / specifications	MHW-5410 	MHW-5414 	MHW-5418 
Batch size	30 g–25 kg	30 g–25 kg	30 g–25 kg
Hopper volume (Liter)	2 L, 5 L	2 L, 5 L	2 L
Max. item size	120–220 mm	120–220 mm	120–220 mm
Throughput	Up to 70 batch/min	Up to 120 batch/min	Up to 160 batch/min
Working temperature	-10 to +40 °C	-10 to +40 °C	-10 to +40 °C

Distribution tools

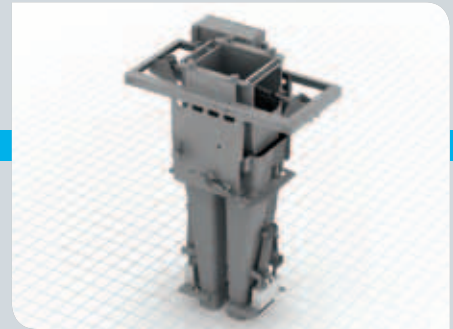
Distribution to packaging equipment

Marel provides a wide range of advanced add-on units and distribution tools that can be combined with the different types of Marel batching equipment. The distribution tools include distribution chutes, gates, filling chutes and horizontally moving chutes. These tools interface smoothly with systems from all known packaging suppliers, and make it possible to pack products into virtually any type of packaging.

The distribution tools for batchers are all made of stainless steel and easy to clean, ensuring superior hygiene. They are also particularly easy to operate, resulting in lower manpower requirements.

We know how

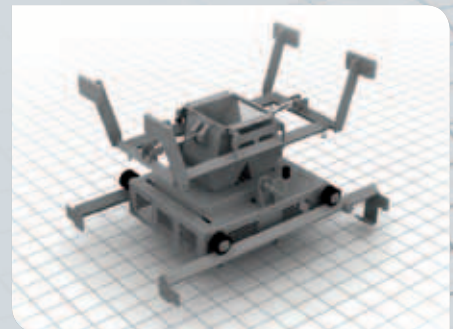
Marel has vast experience and know-how about batching technologies from many years in this highly specialised field. This ensures the best possible guidance and continued development of superior batching systems and distribution tools.



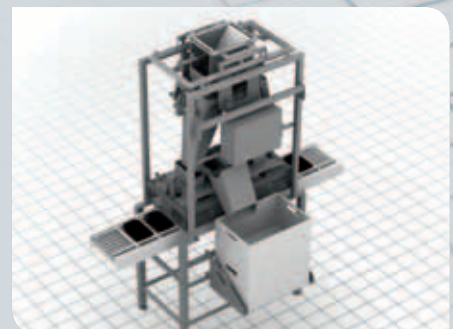
Tool for packing in jars and cans



Complex tool for thermoformer



Simple tool for trays



Tool for packing in trays



Trolley for transport of tools

Innova

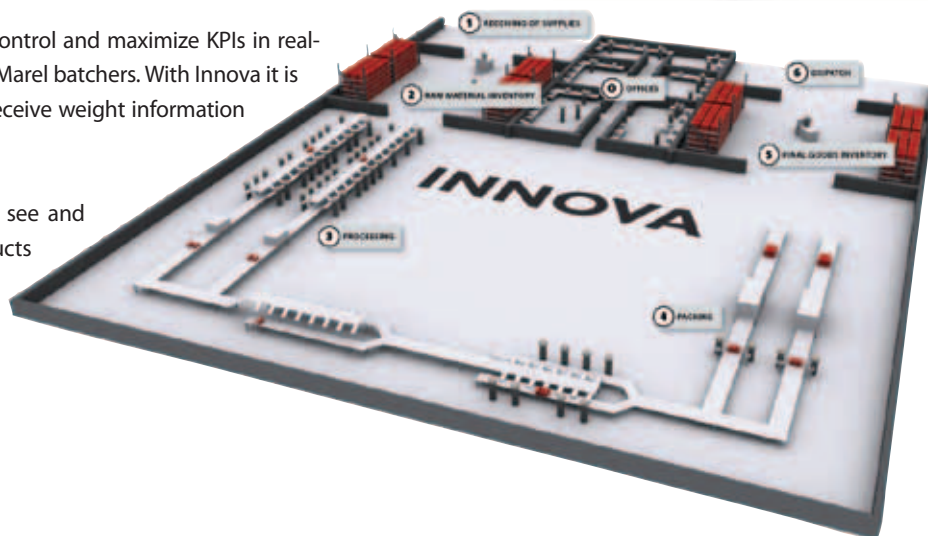
Intelligent production control

Innova is the software from Marel that ties all processes in a production plant together. It can be applied as a complete IT solution covering the complete value chain in the production cycle, from reception of supplies to product dispatch, providing all key performance indicators for each stage and traceability from door to door.

Innova can also be utilized to monitor, control and maximize KPIs in real-time from individual devices such as the Marel batchers. With Innova it is possible to set up, handle, control and receive weight information from the Marel batcher.

The graphic user interface lets the user see and change both the program and products currently running on the device – as well as make reports on such as giveaway, throughput and efficiency.

Throughput



Compatible with Innova

– Intelligent production control system



Marel

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

Marel, Stork Poultry Processing and Townsend Further Processing – Our brands are among the most respected in the fish, meat and poultry processing industries. Together, we offer the convenience of a single source to meet our customers' every need.

For further information please visit www.marel.com

