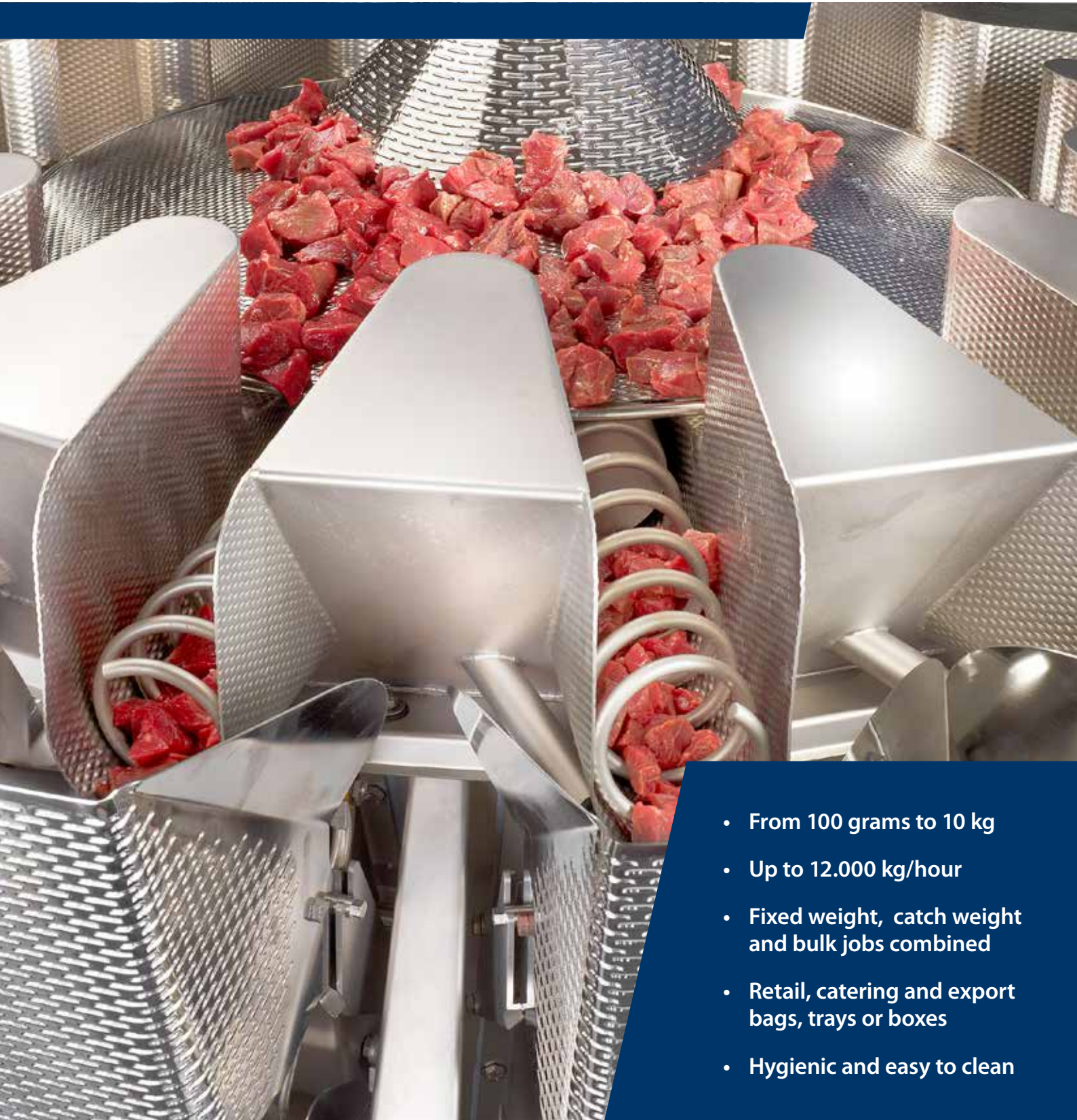


Multihead Weighers

High-capacity, accurate batching of fresh or frozen products



- From 100 grams to 10 kg
- Up to 12.000 kg/hour
- Fixed weight, catch weight and bulk jobs combined
- Retail, catering and export bags, trays or boxes
- Hygienic and easy to clean



Run up to six different jobs simultaneously with the optional multi-job software

Screw Feeding Multihead Weigher

Fresh, marinated and sticky products

The Marel Screw Feeding Multihead Weigher is designed for fresh, marinated and sticky protein products. Equipped with a unique integrated singulation sensor and special screws, the Screw Feeding Multihead Weigher accurately batches a wide range of sticky, fresh products for a variety of protein producers.

Designed especially for handling sticky products, the multihead weigher's special infeed and distribution system ensures the best possible distribution of the incoming products into the hoppers. The hoppers also feature a special non-stick surface that ensures glitch-free product distribution into the weighing bins. Together, these key details result in highly accurate batches and minimal giveaway, while at the same time delivering high throughput.



Accurate, high-capacity batching

Marel offers a range of multihead weighers designed to create accurate batches at high speeds while treating the raw material very gently. The weighers can handle different jobs simultaneously with an optional multi-job software. Multihead weighers from Marel are built to fulfill the most stringent quality requirements. The equipment is reliable, stable and long-lasting, with a low cost of ownership. The versatile Marel Multihead Weighers can operate as stand-alone units or they can be integrated into a complete packing line.

Efficient multi-job option

The multi-job option is an add-on that enables Marel Multihead weighers to batch up to six jobs simultaneously. Additionally, processors can prioritize jobs depending on processing needs.

Hygienic and easy to clean

Engineered with hygiene in mind, the product zone of the Marel Multihead Weighers is easy to dismantle for cleaning. All surfaces are designed to prevent bacteria build up and the storage and weighing hoppers have large-radius corners. This all helps ensure a very high level of hygiene.

Catch Weight Software*

Patent pending catch weight software is available for the Marel Multihead Weigher. This innovative application helps reduce giveaway drastically by allowing fixed and catch weight operations to run simultaneously. This offers retailers the weight distribution they require in their pack range to serve their local customers' needs.

Reduce giveaway drastically

The catch weight option can control a distribution of up to five different batch sizes within a selected minimum and maximum weight. By running a catch weight and fixed weight program simultaneously, almost 0% give-away can be achieved, as only the perfect batch is going into fixed weight while the rest goes to catch weight jobs.

*Patent pending



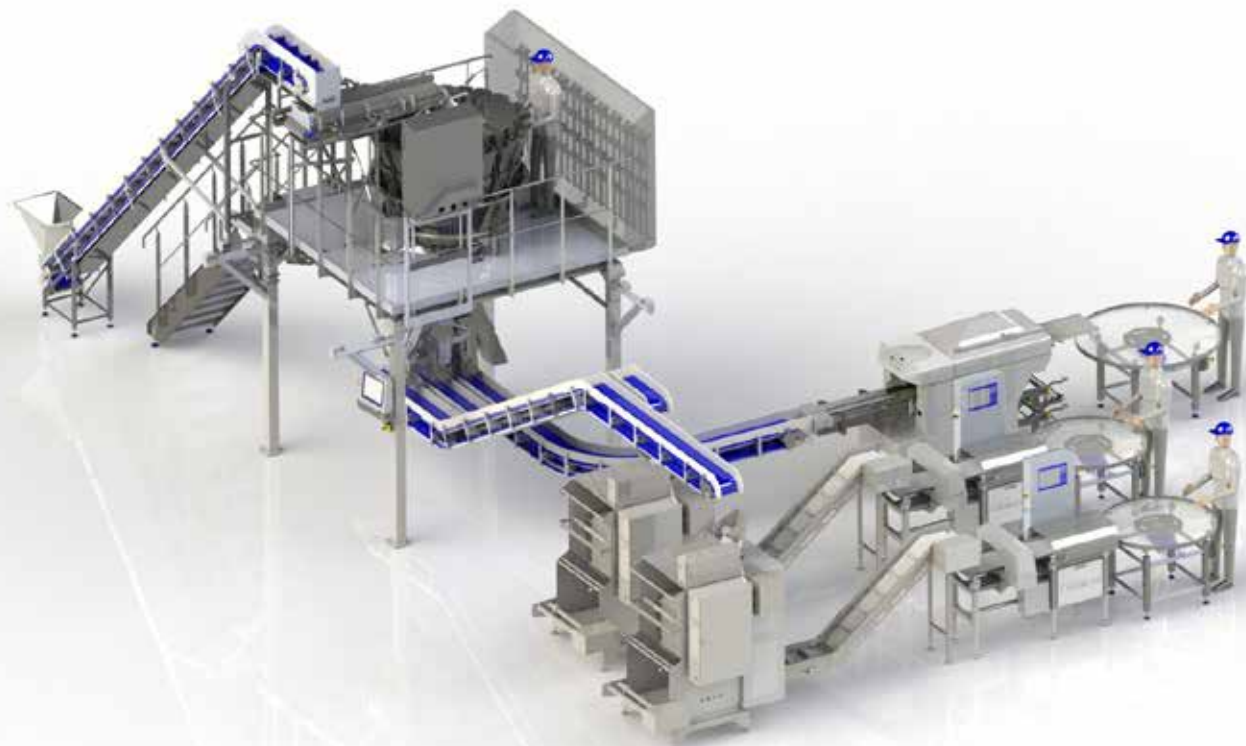
Lowers giveaway and increases yield with efficient, gentle product handling

Vibration Feeding Multihead Weigher

IQF and dry products

The Marel Vibratory Multihead Weigher is designed to batch dry and frozen protein products. Designed to handle a wide variety of batch sizes, the versatile vibration feed multihead weigher can process products into a range of different packs. This accurate weighing and batching machine delivers reliable, precise packs at a high throughput. Batching possibilities include multi-dumping, splitting, mixing and counting.

The IQF Multihead Weigher is designed to operate in the tough environment of IQF processing. It can handle a wide range of frozen products with ease and performs reliably even when running around the clock. Utilizing Marel's renowned weighing techniques, the Multihead Weigher minimizes giveaway and ensures batch reliability



Infeed height is adjustable to secure gentle product handling.

Center rotating top cone.

Transport channels with screw feeding.

Flexible, infeed goose neck conveyor.

Discharge chutes.

Storage hoppers.

Weighing hoppers.

Large touchscreen with a user-friendly interface.

Discharge cones.

Adjustable drop-off. Customers can choose between one-drop or multi-drop depending on job specifications.

CASE STUDY

Storteboom customer insight



“We doubled production on the fresh poultry line. Accuracy improved and give-away was reduced about 1%.”

- Hans van Norden

Objectives achieved: production doubled

Dutch poultry producer 2 Sisters, Storteboom, in Zeewolde was looking for a way to speed up the weighing and batching process for its fresh poultry lines. Marel's Multihead Weigher more than delivered: it doubled production speed while maintaining maximum flexibility.

“Up until a year ago, weighing of our fresh poultry products was done manually for the most part,” Zeewolde plant manager Hans van Norden explains. “Accuracy was pretty good, and it offered us a lot of flexibility. But our packing and sealing machines were only working at half speed. Obviously there was a lot of unused potential there and with sales growing we really wanted to increase production.”

In 2012 the Multihead weigher was delivered and set-up in Zeewolde. “Fitting it into the existing set-up was a bit of a challenge here and there but Marel solved it perfectly,” Van Norden says. “After weighing and batching, we can now run with two different packing lines for our different types of products.” Van Norden is very happy with the weigher's performance:

“It's perfect. We doubled production on the fresh poultry line. Accuracy also improved and as an extra bonus give-away is reduced with about 1%. And it's quite a sight, seeing a Multihead weigher at work.”

Proven technology

The concept of using a Marel multihead weigher for fresh products in the poultry industry has already proven its worth in previous installations with successful installations running all over the world.

The Marel Multihead weighers offer:

- High uptime and a low cost of ownership
- Reduction of giveaway and labor costs
- The same easy-to-program, user-friendly interface across the Marel product range

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