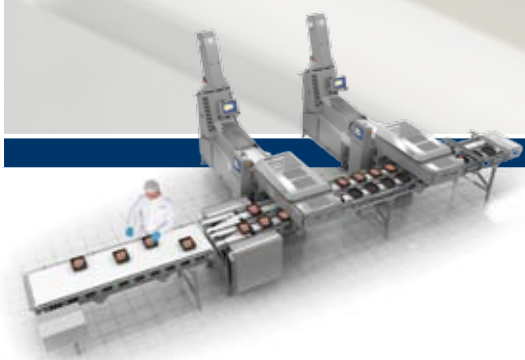


Marel Portion & Pack

Fixed weight portioning directly into trays



- Accurate fixed weight and shape portions
- High yield - small give away
- Automatically combines broken batches
- Minor product handling



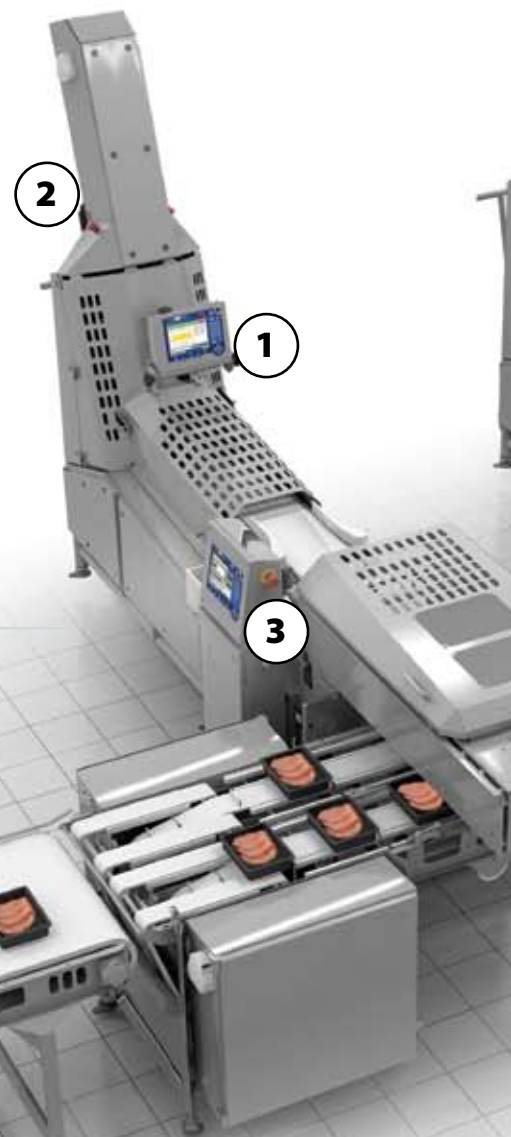
High-Yield Money-Saving Solution With a S

Portion & Pack Combo

Two of Marel's standardized workhorse solutions – OptiCut portioning and QuickLoader packing – have been conjoined for the express purpose of creating superior fixed-weight & count packing. The Portion & Pack combo delivers uniform weight and shape portions that are packed directly into trays, all in a single high-yield production flow that eliminates manual handling.

Compact and Super Efficient

This combo-solution is compact and super efficient, fully optimizing raw material while significantly reducing labor costs to ensure rapid payback. Two operators are all that are required to run a fully automatic dual-lane system.



1 USER-FRIENDLY CONTROL

Control is provided by the user-friendly M3000 controller, which makes it easy to adjust cutting and stacking parameters. The M3000 comes with an optional Ethernet connection to PC workstations. New optimizing software ensures maximum product utilization with high yield and accuracy. The system also has the added benefit of being able to go online for immediate remote servicing.



Short Payback



“ Our primary aim was to create a fully automatic portion and packing solution that minimizes labor while maintaining high yield and accuracy. The system automatically cuts, calculates portions and delivers batches to trays with optimal product utilization. ”

– The Marel Portioning Group



Capacity

The Portion & Pack system is a complete cutting, stacking and fixed-weight packing solution designed to work with medium-size packing machines. Throughput is dependent on product type, portion size and portions per tray.

2 FIXED WEIGHT PORTIONING

Marel's Portion & Pack system has high-tech functionality while being user-friendly. Boneless meat is placed into the OptiCut where it is molded and formed before being cut into uniformly shaped fixed-weight slices and batched. These predefined batches are delivered in a single flow to the QuickLoader, which automatically allocates them into trays so gently that their shape and styling are fully maintained.



3 TRAY PACKING

Trays are fed onto a dual-lane indexing conveyor beneath the QuickLoader. The portion-controlled trays are then transferred to a merging conveyor and automatically transported to a checkweigher and/or a sealer. The system is programmed to consistently make complete batches that achieve optimum weight and count. It also conveniently removes offcut and trim from the product flow for further processing.



Powerful Production Control



M3000 Controller

With the M3000 industrial controller, MPS Portioning Software can be used for data collection and production monitoring. With a built-in Ethernet connection providing links to standard PC and Unix workstations and TCP/IP protocol for remote real-time connection to the Internet, the M3000 provides real-time observation and performance monitoring of production as well as the possibility of remote service via the Internet.



MPS Portioning

The powerful MPS portioning software is designed to configure and control portioning machines and to collect portioning data. The software can work with any number of machines and stores summarized long-term information about weight, length and type of pieces and portions. The software calculates key indicators of performance such as throughput, portioning yield, production value and other variables.



Marel Food Systems

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RETURN ON INNOVATION

