

Integrated Portioning Systems

Cut 'n Pack Salmon



- Increased yield, throughput and quality
- Real-time performance monitoring
- Cost-effective with short payback time
- Compact and easy to clean

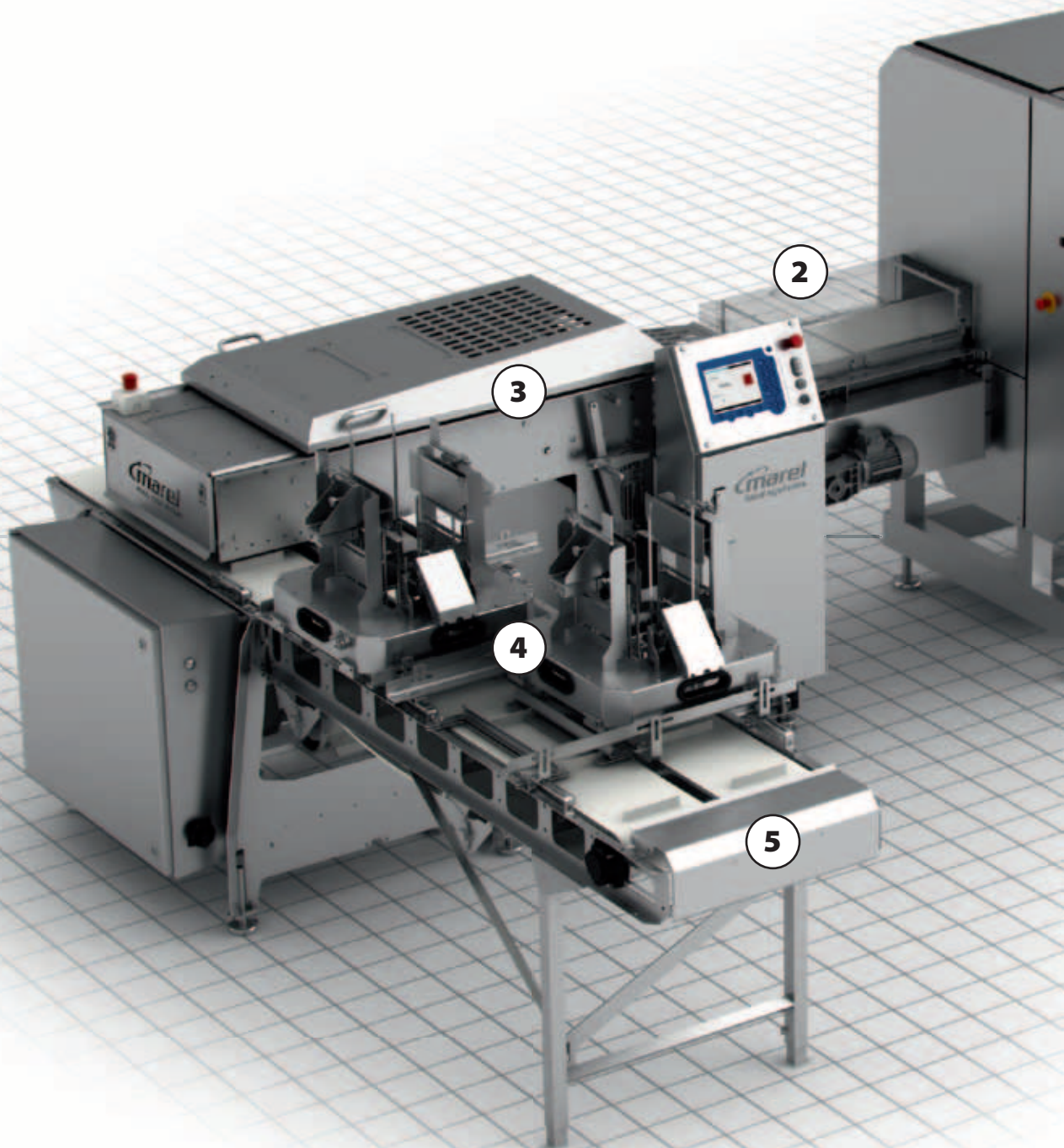


Intelligent system

The Cut 'n Pack integrated portioning system combines the I-Cut 36 PortionCutter with integrated SpeedSort retraction conveyor with a Marel Tray Load System, to offer you the possibility to portion, sort and load fixed weight salmon fillets into trays with high speed and accuracy. And user friendly interfaces and software provides easy operation.

Compact and hygienic

The system's small footprint makes it fit into almost any plant layout. Furthermore the open construction provides easy access for cleaning, securing a high hygienic level.





Accurate portioning

The I-Cut 36 PortionCutter uses laser vision technology to determine how to cut the salmon fillets for optimal portions. The integrated SpeedSort removes off-cut, trim and undesired portions from the product line. Trays are fed into the system automatically with tray denesters. The Tray Load System drops the batches gently into the trays.

Labour saving

Only two to three operators are required to run the system. One operator is needed to load products into the I-Cut 36 machine and one operator is needed for 'quality control' after the batches are loaded into the trays.

A third operator is only needed if empty trays are fed manually into the system.

On-Line

Remote Service through ethernet connection is one of the advanced features of the I-Cut 36 and the Tray Load System. Marel's production control software Innova is compatible with the whole system and capable of handling all data from the machines.

1 I-CUT 36

The I-Cut 36 PortionCutter cuts the salmon fillets into fixed batches and delivers them to the Tray Load System.

2 INTEGRATED SPEEDSORT

The SpeedSort automatically removes trim and off-cut from the product flow before packing.

3 TRAY LOAD SYSTEM

The Tray Load System automatically drops the batches gently into trays.

4 TRAY DENESTERS

Empty trays are fed to the system automatically.

5 TRAY INDEXING SYSTEM

Full trays can either be delivered in two streams or to a merging conveyor, where the two streams of trays are merged into one stream, ready to be transferred automatically to a check weigher and/or a sealer. If required, trays can be turned 90° on the merging conveyor.



Compatible with Innova
– Intelligent production control system



“ Marel continuously builds upon its experience in working with members of the food processing industry, to find new and creative solutions to help processors increase their yield and make their processing more efficient. This innovative solution is the result of the extensive research and development that is carried out by our team. The new solution allows different tray orientation combinations, which is an extension to the former tray loading solution. ”

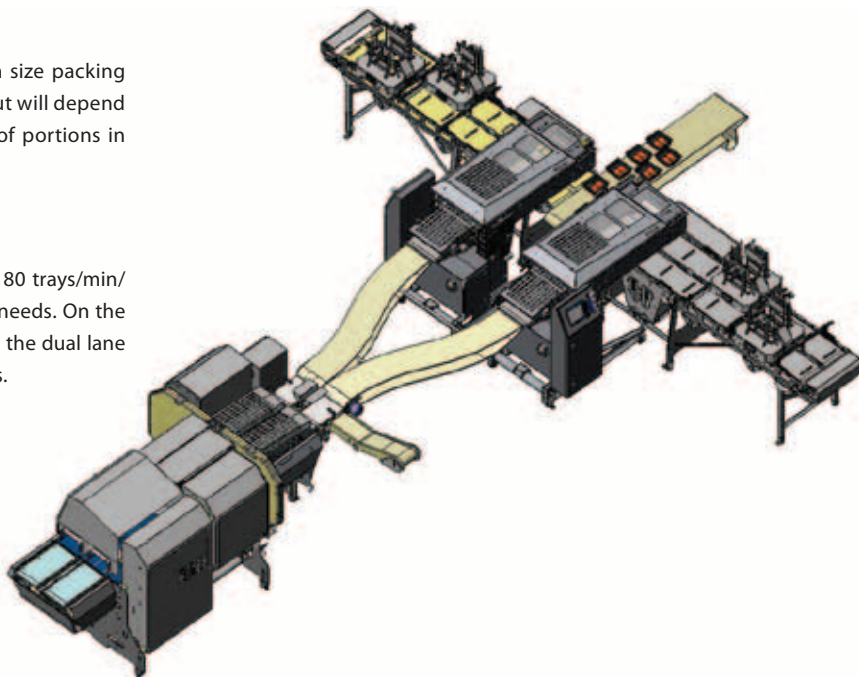
Hannes K. Gunnarsson, Fish Portioning & Inspection Solutions - Marel ehf.

Capacity

The system is designed to keep up with a medium size packing machine (around 40 – 50 trays/min/lane). Throughput will depend heavily on product size, portion size and number of portions in each tray.

The dual version

The dual lane system with double capacity or up to 80 trays/min/lane is suitable for customers with high throughput needs. On the image displayed the dual lane system is shown with the dual lane PortionCutter I-Cut 600 and two tray loading systems.



Marel

The world's leading manufacturer of high-tech equipment for the food processing industry.

We are innovative in everything we do and we provide outstanding new solutions and services to the food processing industry in order to create greater value for all our stakeholders.

For further information please visit
www.marel.com

