

Flexible portioning with exceptional precision

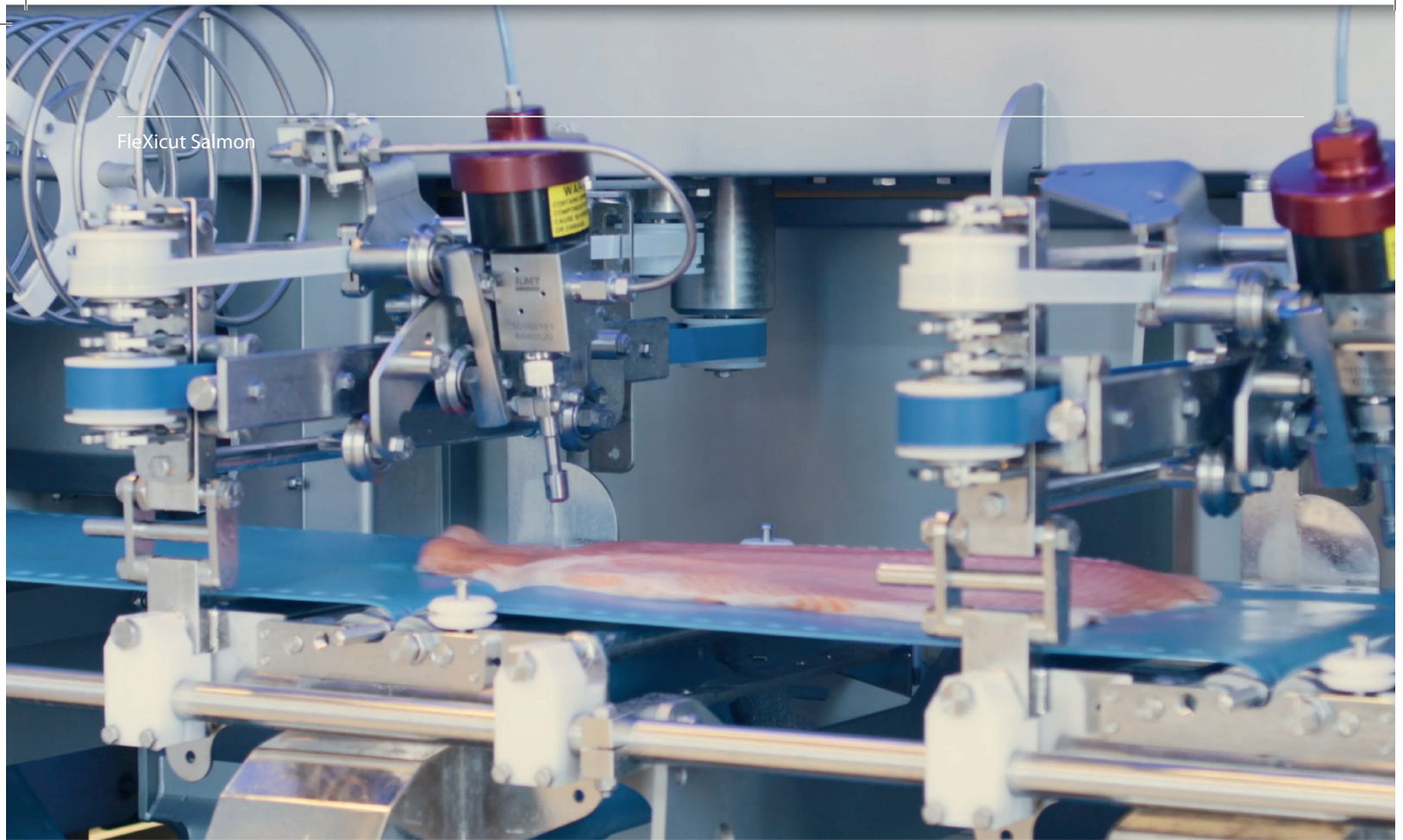
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# FleXicut Salmon



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- Detection and removal of pinbones as small as 0.2mm
  - Increase yield with precision portioning
  - Easy to clean compact design
  - Simple interface control for maximum product flexibility





FleXicut Salmon

## FleXicut Salmon

### Portioning precision with a modest footprint

The FleXicut Salmon brings maximum portioning flexibility in a compact design. With a throughput capacity of 36 fillets per minute, it is ideal for processors of salmon fillets who want increased yield and high-value product usage.

### 3D X-ray vision

Entering the system, each fillet is scanned and X-rayed by the 3D vision system to accurately detect bones and measure fillet size, shape and density.

### Flexible cutting capabilities

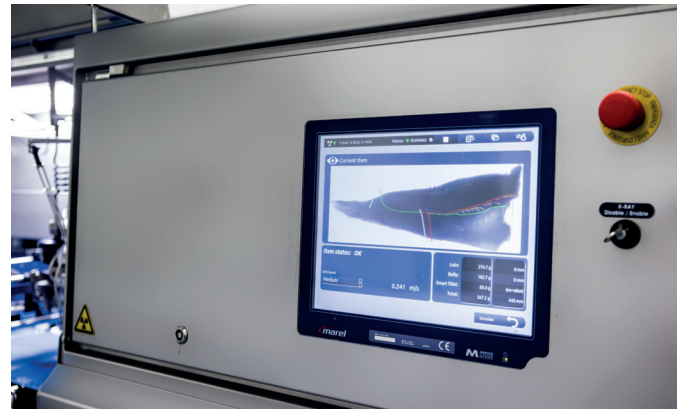
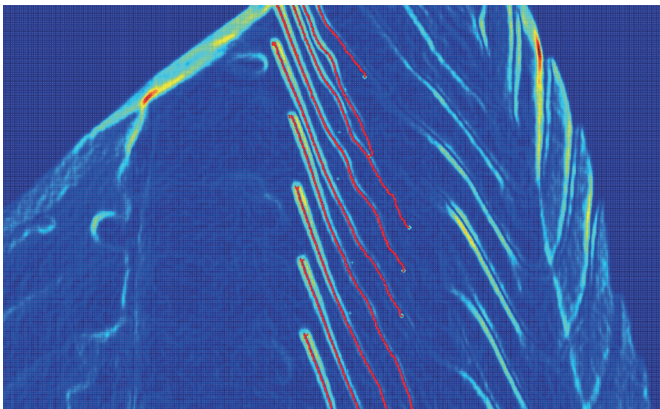
Two water-jet robot cutters and twin blades work in tandem to deliver increased portioning options. Intelligent software analyzes

the 3D scan and automatically adjusts cut angles to the shape and thickness of each fillet to ensure precision bone removal and portioning that minimizes raw material cut-off.

The two water-jet cutting robots precisely remove pinbones, while the twin blades make vertical cuts according to predefined cutting patterns, specific weight, length and shape.

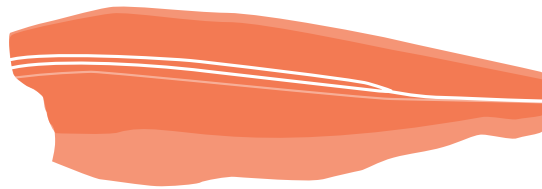
### Easy-to-read screen

Keep production moving with a user-friendly interface. Make changes to production programs quickly and easily without losing quality.



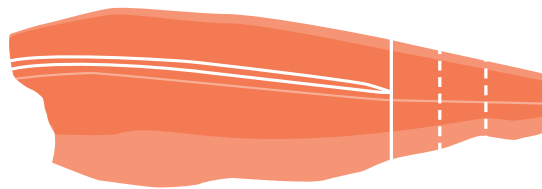
# Cutting patterns example

1.



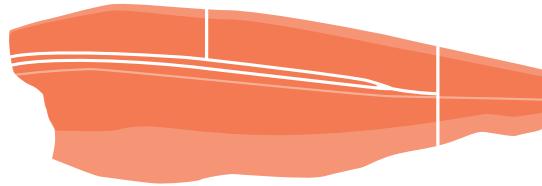
Y-Cut

2.



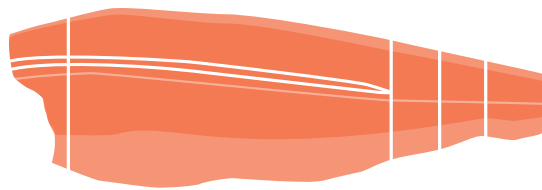
Tail-cut

3.



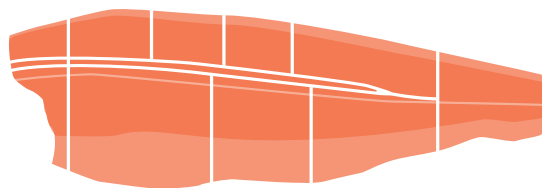
Loin-cut

4.



Face-cut

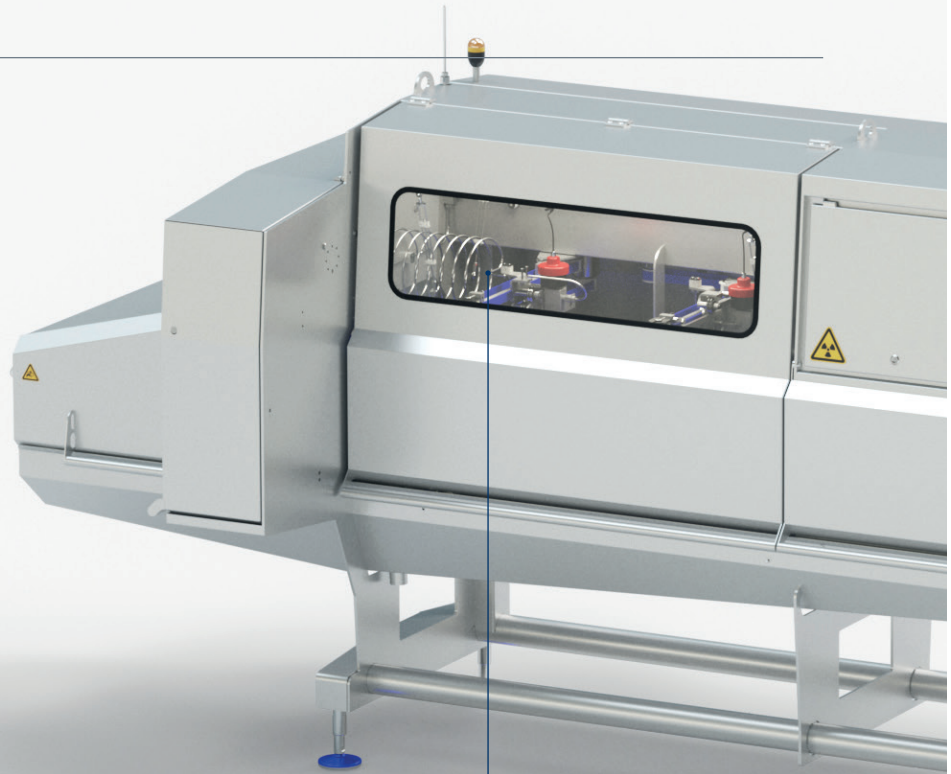
5.



Portions

# The FleXicut Salmon maximizes

The FleXicut Salmon offers exceptional flexibility with a small footprint. It easily integrates into any line, making it the ultimate all-rounder for processors of skin-on and skin-off salmon fillets.



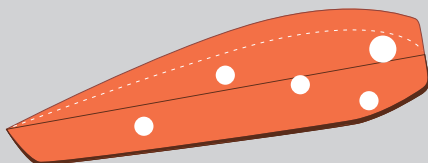
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### Precision cutting

Water-jet robot cutters and dual blades cut straight, angles and curves, removing bones and portioning with minimal cuts

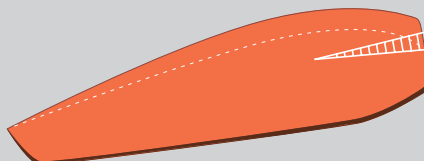
### Pre-trim

Remove fillet defects



### X-ray

Fillets scanned for accurate bone detection

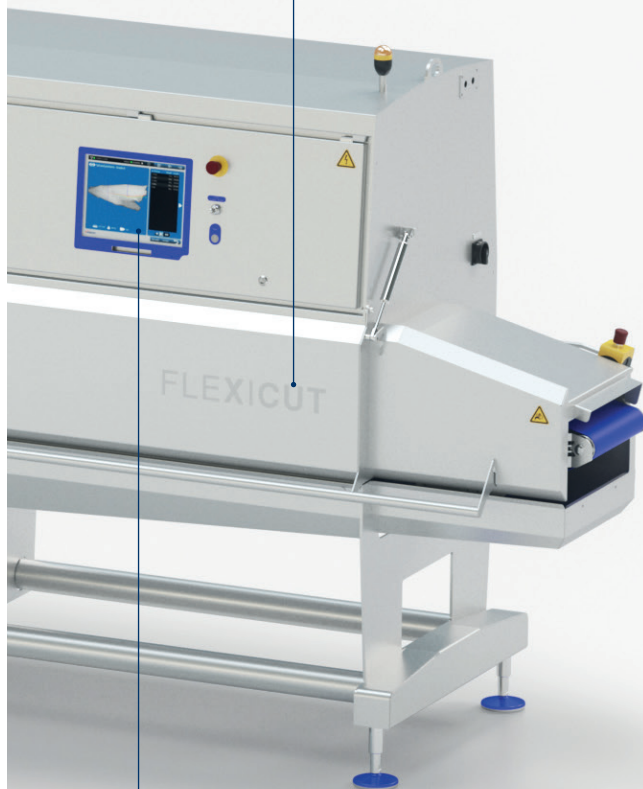




# yield with precision cutting

## X-ray vision

A high-speed, high-definition x-ray locates bones as small as 0.2mm. 3D scanning records the weight and shape of individual fillets

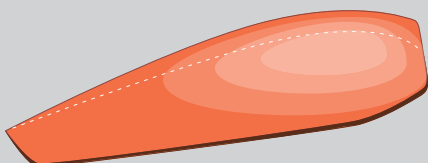


## User friendly interface

Quickly and easily change programs and portion patterns

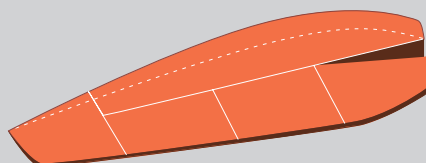
## 3D scan

Each fillet is scanned for shape and density



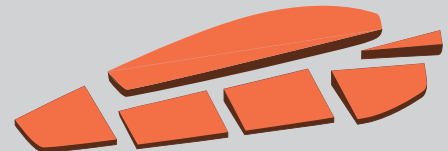
## Cut calibration

Intelligent software analyses x-ray and 3D scans to calculate cuts for optimal portioning



## Water jet and portioning

Accurate and automatic pinboning and portioning



FleXicut Salmon

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**TECHNICAL FEATURES**

Capacity*	36 fillets/min
Fillet height	45mm
Fillet width	255mm
Fillet length	900mm
Water consumption (average)	12 liters/min
Dimension LxWxH	4815x1620x2215mm
Weight	1600kg
Electricity standard	3x400V +N + PE 50Hz
Compressed air	100 liters/min at 6 bar

\* At maximum belt speed of 0.38m/s, based on a fillet length of 580mm, with 50mm between fillets



## Software

### Benefits of Innova for the FleXicut

- Lets you change settings quickly and remotely in response to demand
- Collects and analyzes real-time and historical data, providing vital insights
- Powerful editor for creating and maintaining cutting programs
- User-friendly, centralized management of material flow to other destinations

### Monitor and control fish processing

The Innova module for the FleXicut and FleXicut Salmon lets you monitor and control your pinboning, trimming and portioning in real time. Dashboards provide live feedback for a clear overview of processing, meaning you can quickly and easily make adjustments to ensure production is running optimally. Easy-to-use program management allows you to control FleXicut settings remotely and for multiple devices.

### Get operational insight

Vital performance data is collected and stored in the Innova database, enabling you to analyze and optimize your process.

This statistical analysis takes away the guesswork and allows you to make effective, data-driven decisions.

### Connect your business

Innova software can be implemented stand-alone with your FleXicut, or it can be integrated with other Marel processing equipment across a full-line solution. Valuable KPIs provided by Innova help you make intelligent decisions to maximize your results.

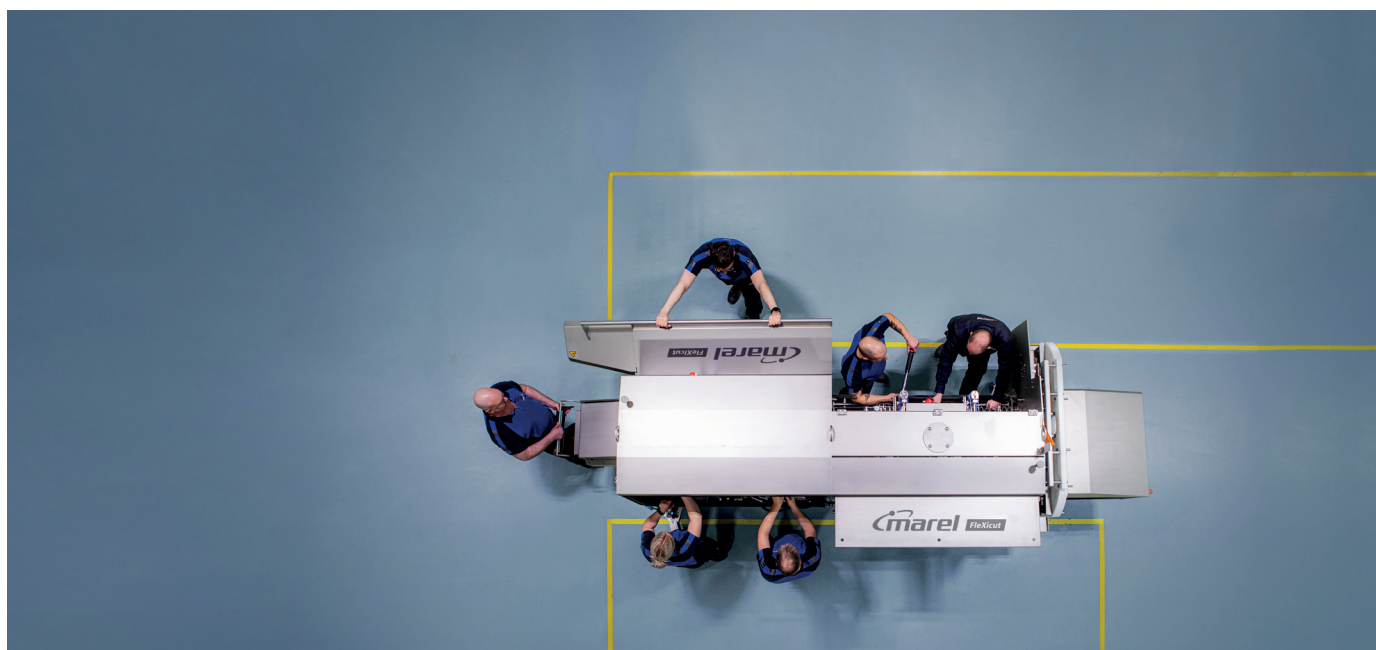


## Service

Marel offers a range of service solutions to prevent failures, maximize performance, or in case of unexpected breakdowns, remote or onsite assistance.

Marel has offices in 30 countries across all regions and a global network of highly skilled professionals that provide remote as

well as onsite service support. We provide quality spare parts and customized service agreements for our customers to ensure optimal performance of Marel equipment.



TRANSFORMING FOOD PROCESSING

