Integrated salmon processing system
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Marel’s salmon fillet processing line includes an MS2730 filleting machine, ITM2 Trimming Robot, and pre- and post-trim, followed by a packing grader. Combined with Marel’s INNOVA yield monitoring software, the system aims at optimizing the line’s performance.

ITM2 Trimming Robot

The ITM2 Trimming Robot is the redesigned, second generation of Marel’s automatic trimming machine. Designed to trim salmon fillets automatically, the ITM2 is the ideal solution for high-value trimming of fillets into pre-defined trim categories.

With its advanced color vision technology, the ITM2 automatically evaluates each fillet before trimming, and calculates the most profitable cut configuration based on weight, shape, and/or color grade. This ensures a high precision cut, and makes the entire process very efficient and productive – from measuring to trimming.

The main benefit of the ITM2, compared to manual trimming, is that the ITM2 will do what the master trimmer does when working at peak performance – but does it throughout the day. The ITM2 delivers uniform and consistent trimming, and at day’s end, trimming performance will have a very positive impact on yield.

Advanced filleting adds yield

The MS 2730 is Marel’s latest filleting machine. It has several great new features that provide higher yield, more throughput, and easier operation. Fish are fed into the machine with the belly down, which makes the infeed much easier and faster.

An additional set of circular knives cuts close to the center bone from the anal vent to the tail, adding yield to the fillet. For the belly-bone cut, four sets of finger pressures ensure maximum control of the fish, and provides optimum cutting of both pre-rigor and post-rigor fillets. The result is high-quality fillets with improved yield and increased output.

Optimized line performance

Combined with Marel’s INNOVA yield monitoring software, this integrated salmon processing system is extremely powerful. It offers a new dimension for managing yields and enhancing production value. By carefully monitoring the raw material utilization in each processing step, the processor is able to optimize yields, taking both utilization and quality into account. Moreover, it gives a real-time overview of productivity and “optima” of the system.
Marel Innova
– Production Management System

Innova production management software can control and monitor multiple machines in real-time. This highly innovative solution from Marel collects and stores data about color, weight, length, type of pieces and portions being processed, and much more. Statistical reports about all incoming and outgoing data are easily available in various forms.

Innova monitors and collects data on production performance in real-time, and calculates KPIs (key performance indicators) such as throughput, yield, production value, and other variables.

Production managers utilizing Innova’s data can easily and consistently optimize processing plant performance, ensuring best-possible production value.