



VMK Vision-system

This module is used for operator free running of the VMK fish processing lines. The system identifies each individual fish passing by the machine using a camera and by means of a set of brushes, directs the fish to be processed, recycled or, if damaged to the waste bin.

The system is based on a teach-in technology, so it may identify most type of fish after a learning process.

Production data and status is available via WLAN.

- Modular design
- Available as retrofit
- Manual operation mode possible
- Remote control and support
- Teach-in system
- Program for different species
- Low water consumption

Features for the Vision-system

The free-standing Vision-module is designed to achieve operator-free processing together with the present VMK fish processing machines. The module can be delivered together with new equipment as well as an upgrade of existing VMK-lines.

The Vision-system identifies each fish passing the camera and judge the category:

- Accept
- Recycle
- Waste

The servo-controlled brushes directs the fish accordingly.

Camera and lighting are well covered in water-tight enclosure, easy to access for maintenance by means of a hatch.

The retractable top-unit comes in handy during temporary semi-automatic mode operation (e.g. small batches, damaged fish or test of new products).

The Vision-system is set for the actual fish to produce. The local service engineer can train the system for new species.

Stored production data is available for download via WLAN.

Electrical connection

The Vision-module is connected to a separate electrical cabinet. The cabinet can be placed in a suitable space, close to the machine. The Vision-system is integrated with the electrical system of the general VMK fish processing line.

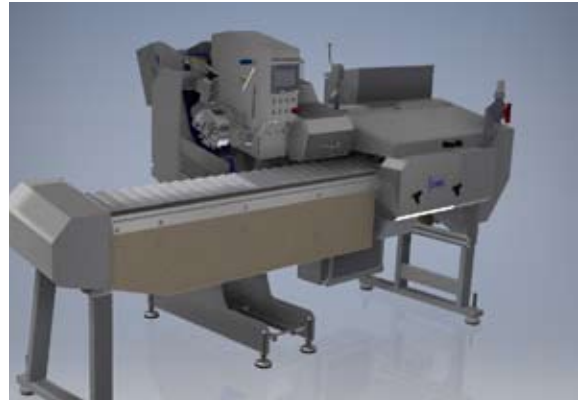
Maintenance

The inside of the machine is easily accessed via hatches. Maintenance free bearings and gears are used to minimize the need of service.

Remote access for support is available.

Retrofit

The VMK Vision-system is designed to fit to existing standard VMK lines.



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