

Sorting shrimps in the fish industry

A previously manually adjustable sorting machine for shrimps has been retrofitted with a displacement sensor. In this way the process reliability of the machine was able to be increased significantly.

In the machine shrimps are passed by a conveyor belt into a container. The container shakes the shrimps through two rolls. The separation of the rolls determines the size of the shrimps falling through.

The adjustment of the rolls is measured by an inductive displacement sensor of the series LVP. The output is provided by a digital display which indicates the roll gap in mm.

The roll separation is approx. 20 mm initially and enlarges to 40 mm, i.e. the sorting is carried out from small through to large.

Measurement objective:

Simple control of the roll gap using the displacement sensor and connected display (in mm).

A special version of the Series LVP is used with a stainless steel housing and cable output instead of the aluminum housing and the plug connector. This special design can also withstand the aggressive cleaning agents used in the foodstuffs industry.

Sensor selection:

Stainless steel housing suitable for the foodstuffs industry

Resists aggressive cleaning agents

High level of protection

Sensor type:

LVP-50-GA-2-CA-I

