



## **Arenco VMK Vision System**



**Vision with the latest technology  
for a operator free processing**



### **The Arenco VMK Vision System.**

Arenco VMK Vision is a system that combines a camera and a computer in one simple unit. The vision camera can analyse a picture in several different ways. It can for example, recognise an object and ensure that it meets the minimum standard before processing. In the car industry vision cameras are used in the production of screws where it is used to accurately check the size and thread. It can just as easily assess the herring before being fed into a filleting machine.

### **Arenco VMK Vision System**

The vision system has been developed by Arenco AB and Avanti Engineering to check and sort herring as they are being fed into a filleting machine. On the conveyor belt between the feeder and the filleting machine each individual herring is photographed. Then if the herring is damaged it will be discharged as waste. However, it will return to the feeder any fish positioned incorrectly.

### **A reduction in cost**

With an Arenco VMK Vision System installed, a permanent member of staff at each filleting machine is not needed. Experience shows that one person can easily supervise several machines at the same time. AVS works faster and more precisely than a human being and it does not need to take a break!

### **Increased Productivity**

Productivity will increase as less time is wasted sorting out problems in the filleting process.

### **Increased speed**

We know from experience that using an Arenco VMK Vision System, it is possible to increase the speed at which fish are fed into the filleting machine by 15%. This is achieved without making any alterations to the machine itself.

### **Increased production**

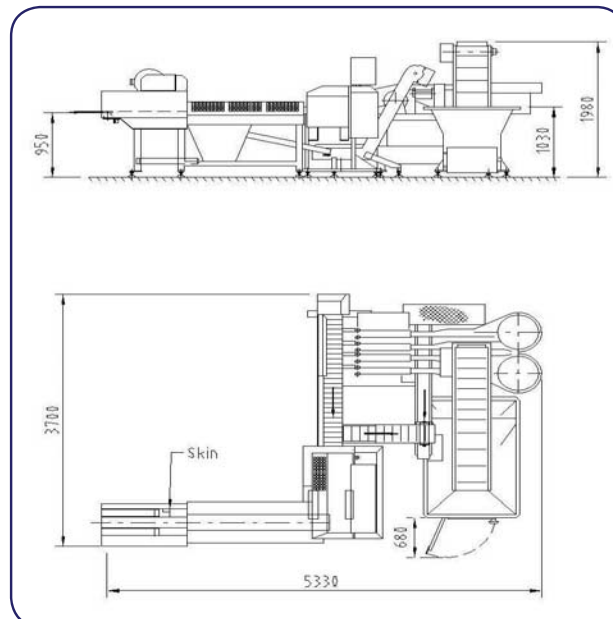
The Arenco VMK Vision System can be connected to a display panel that continuously informs staff as to how many herrings are being processed per minute. The aim is to keep production rates at peak levels. However an alarm can be added to alert staff of any production problems.

## Technical Specifications

### Automatic

Water connection	25 mm
Water usage	42 liters per minute
Electrical	Per customer specifications
Power	6 kW @ 50 Hz 7 kW @ 60 Hz
Operators	1 operator up to 6 lines
Net Weight	2 230 kg Crated 3 290 kg

All measurements in millimeters



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