Gilling machine

Preparing fish in one process

The Cabinplant gilling machine is designed to remove gills from herring prior to storage/marinating in barrels and subsequent preparation as matjes fillets. To ensure correct cutting, the position of gills is registered by vision technology.

Gills are cut off and removed by means of vacuum. Part of the guts can also be removed in this process. After gilling, the fish are graded into seven sizes, pre-determined by the vision system. Undersized herring are rejected before entering the cutting system.

Optionally, the machine can be equipped with a head cutting system and an automatic feeding system.
Complete herring processing lines
Cabinplant can provide complete herring processing lines with capacities up to 70-80 tons per hour. The gilling machine consists of:
• Conveyor belt with specially designed plastic pockets in which the fish is placed
• Manual infeed section with platform and accumulation tray
• Vision system to determine the position of the gills and the size of the fish
• Reject system for undersized fish
• Cutting/drilling and vacuum system to remove the gills
• Distribution system for seven grades

The gilling machine can be manually fed by up to 3 operators, or automatically by a Swede Fish AP12 feeder.

Capacity

<table>
<thead>
<tr>
<th>Volume fish/min.</th>
<th>270</th>
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Depending on the feeding accuracy.

Dimensions mm

<table>
<thead>
<tr>
<th>Length</th>
<th>7000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>3100</td>
</tr>
<tr>
<td>Width</td>
<td>1990</td>
</tr>
</tbody>
</table>

Dimensions may vary depending on type of use.

Advantages
• High capacity
• Integrated sorting
• Optional reject of foreign species
• High-quality treated product
• Low expenditure
• Food grade materials

Application
• Herring

Functionality
• Conveyor belt with specially designed plastic pockets in which the fish are placed
• Manual infeed section with platform and accumulation tray
• Vision system to determine position of gills and size of fish
• Reject system for undersized fish
• Cutting/drilling and vacuum system to remove gills
• Distribution system for seven grades

Gilling and grading using vision system