FleXinspect M

A modular, configurable system to meet your current and future inspection needs

FleXinspect M
Today’s inspection solution

The FleXinspect M is a servo-indexing, rotary inspection system designed to be a drop-in replacement for many of the well known mechanical machines of the past. It provides configurable inspection functionality, modular versatility, value, and flexibility for glassmakers’ current and future requirements.

Combined inspection

The FleXinspect M reduces the cold end footprint by combining multiple inspections within a single machine frame. The unique design of the servo-driven handling devices allows accurate, reliable inspections not historically associated with rotary inspection machines.

New infeed design

- Precise container control and smoother starwheel loading
- Unique design allows users to reposition the screw if needed to have a built-in bypass conveyor
- “Reach over” design allows the machine to be installed on any straight section of conveyor with minimal effort

Modulated LED check inspection

- Reduces good ware loss caused by ambient or reflected light
- Long life LED emitters with “auto checking” for damaged or unplugged hardware
- Allows greater area of inspection coverage with fewer emitters

Non-contact wall thickness inspection

- Accurate repeatable results with minimal required maintenance
- Provides more information for better control (thin, thick, ovality)
- Greater flexibility of measurement locations (corners, tapers, embossings)

Ware range

- Round and non-round containers
- Height: 38 mm - 350 mm
- Body diameter: 16 mm - 120 mm

Part of the FleXinspect machine family, the FleXinspect M can be used with the other FleXinspect products to create the most comprehensive inspection solution in today’s market.

FleXinspect is powered by SCOUT technology that enables new levels of automation, performance and simplicity. SCOUT is the foundation that will support future advancements in hollow glass inspection.
Features

- Active cooling of main electronics, with thermal protection
- 30° infeed entry angle
- Integrated inspection conveyor
- 680 mm Ø star wheel
- Traceability of changes
- Cavity correlation of all defects
- Servo-driven rotate devices
- Servo-driven infeed screw
- Servo starwheel
- SCOUT technology

Machine configuration (2 configurations offered)
- 9/18 pocket star wheel with 3 servo-driven rotate stations*
- 12/24 pocket star wheel with 5 servo-driven rotate stations

Standard inspections
- Modulated check detection
- Mold number reader - Heel code
- Mechanical plug/ring
- Mechanical dip/saddle/height

Additional inspections
- Wall thickness - 4 elevations
- Vision mold number reader - Alpha numeric/bottom dot
- Sealing surface/Wire edge
- Base/Base stress
- Vision check

Production speeds

<table>
<thead>
<tr>
<th>Pockets</th>
<th>Max. dia.</th>
<th>Stations</th>
<th>Max. speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>18*</td>
<td>79 mm</td>
<td>5</td>
<td>265 BPM</td>
</tr>
<tr>
<td>9*</td>
<td>120 mm</td>
<td>5</td>
<td>185 BPM</td>
</tr>
<tr>
<td>24</td>
<td>66 mm</td>
<td>7</td>
<td>300 BPM</td>
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<tr>
<td>12</td>
<td>120 mm</td>
<td>7</td>
<td>215 BPM</td>
</tr>
<tr>
<td>Beer</td>
<td>180-240</td>
<td>5</td>
<td>265 BPM</td>
</tr>
<tr>
<td>Wine</td>
<td>140-180</td>
<td>5</td>
<td>185 BPM</td>
</tr>
<tr>
<td>Baby food</td>
<td>200-260</td>
<td>7</td>
<td>300 BPM</td>
</tr>
<tr>
<td>Non round</td>
<td>100-180</td>
<td>7</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Burst speeds

<table>
<thead>
<tr>
<th>Beer</th>
<th>Wine</th>
<th>Baby food</th>
<th>Non round</th>
</tr>
</thead>
<tbody>
<tr>
<td>280</td>
<td>230</td>
<td>300</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* In this configuration can reuse Veritas IM tooling
Specifications

Power requirements
230 VAC, 3 Phase, 25 Amps
380 VAC, 3 Phase, 15 Amps
400 VAC, 3 Phase, 15 Amps
415 VAC, 3 Phase, 15 Amps
460 VAC, 3 Phase, 12 Amps

NOTE: Transformer required for any other voltage.

Air requirements
Minimum 3.5 bar nominal [50 psi]
Maximum 0.8 to 0.85 m³/minute

Environmental considerations
Temperature maximum 50 °C [122 °F]
Relative humidity Max. 95% relative humidity (non-condensing)

Machine speed
Maximum of 300 bpm
Minimum of 60 bpm
(Speed is affected by container dimensions, shape, starwheel configuration, and plug penetration)

Specifications are subject to change. Actual performance depends on specific application, container size, and line speed. Dimensions represent nominal machine size and are not for installation purposes.