

FleXinspect M



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

- 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.
- Inspection flexibility
- Modular and configurable to meet all of your current and future inspection needs
- Round and non-round inspection
- Speeds to 350 bpm



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 servodriven handling devices allows accurate, reliable inspections not historically associated with rotary inspection machines.

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

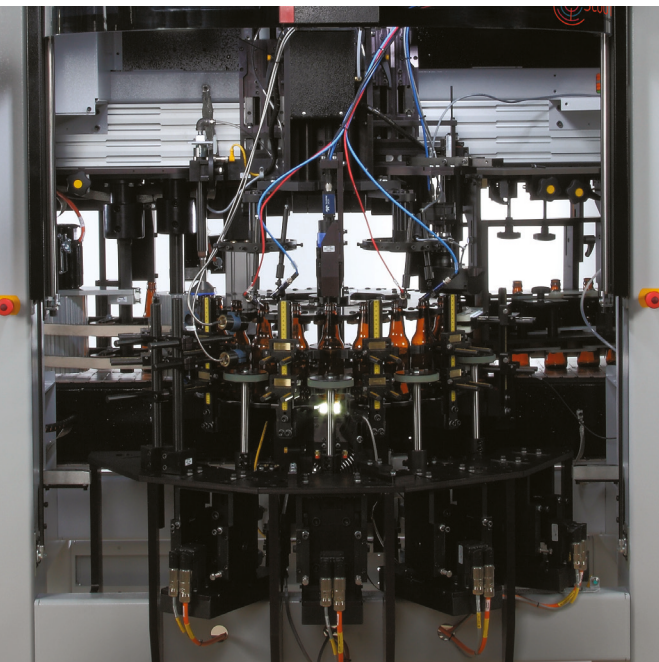
- Reduces good ware loss caused by ambient or reflected light
- Long life LED emitters with "auto checking" for damaged or unplugged hardware
- Allows greater area of inspection coverage with fewer emitters

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



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

*In this configuration can reuse Veritas iM tooling

Available Inspections

- Modulated check detection
- Mold number reader - Heel code
- Mechanical plug/ring
- Mechanical dip/saddle/height
- Vision plug/ring/dip/saddle
- Wall thickness - 4 elevations
- Vision mold number reader - Alpha numeric/ bottom dot
- Sealing surface/Wire edge
- Base/Base stress
- Vision check
- ID read

Equipment Details

Pockets	Max. Diameter	Inspection Stations	Available Rotation Stations
9	120mm	5	3
18	79mm	5	3
24	66mm	7	5
12	120mm	7	5

FlexInspect M in 12/24 pocket configuration

Type of container	Pockets	Production Speed	Burst Speed
Beer	24	Up to 330	350
Wine	12	Up to 240	260
Non Round	12	Up to 160	180

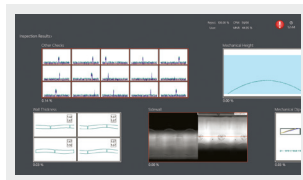
FlexInspect M in 9/18 pocket configuration

Type of container	Pockets	Production Speed	Burst Speed
Beer	18	Up to 300	320
Wine	9	Up to 200	220
Non Round	9	Up to 140	160



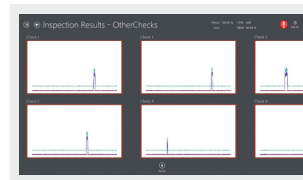
Scout Technology

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.



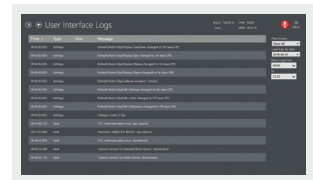
FlexInspect M Inspection Results

The graphical display shows the user all results in a single view.



FlexInspect M Detailed Results

Simple navigation and intuitive layout designed to make setup easy and fast.



FlexInspect M User Logs

All machine interactions are logged and saved, including changes to inspection/ machine parameters for traceability to what was changed, who changed it, and when.

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

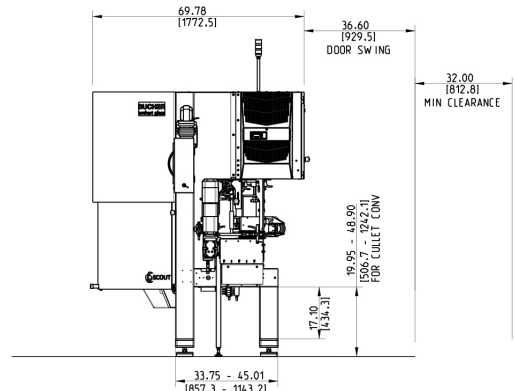
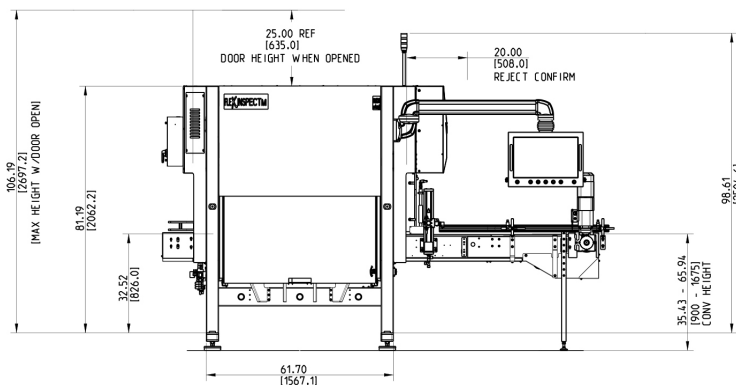
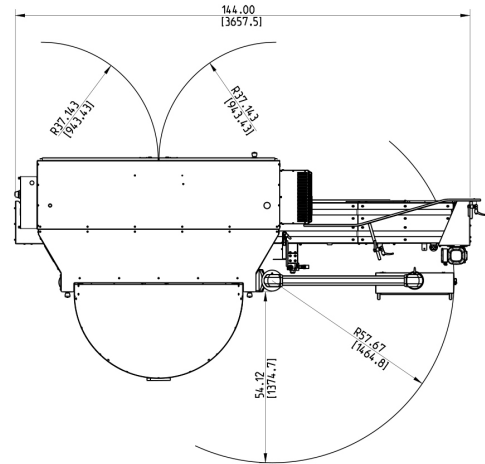
Minimum 3.5 bar nominal [50 psi]
 Maximum 0.8 to 0.85 m3/minute

Environmental considerations

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

Machine speed

Maximum of 350 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.

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Bucher Emhart Glass is a company with a rich heritage and a tradition of excellence that we are proud to continue today. Our founders laid the foundations for automation in glass manufacturing, setting us on a course of marketleading innovations that has lasted for over a century. We created the industry-standard IS machine and have repeatedly delivered game-changing innovations in gob forming, container forming, automation, control and inspection.

Growing strategically through new branches, alliances and acquisitions, we have developed into a true global enterprise with the power to serve customers around the world with speed, responsiveness and understanding. Our global footprint provides the very best in established expertise, economical manufacturing, and hands-on client support.

Our work is underpinned by a profound and unshakeable belief in glass as a packaging material. And we back up that belief with investment in R&D. Driven by our clients' priorities, we continue to work towards new milestones in production speed, product quality, testing precision, and glass container strength. The ideas we have today will deliver the improvements of tomorrow.