

Q-CONFORM

The modular inspection system for the beverage and plastic industry

PET PREFORM INSPECTION

A compact in-line vision system inspecting sealing, bottom and inner sidewall of preforms. Remarkably adjustable for installation in several blow molding machines.



QUBBER
INSPECTION SYSTEMS

Q-CONFORM

Seal module inspects the finish for:

- ▶ Ovalization
- ▶ Short shots
- ▶ Cuts
- ▶ Flashing
- ▶ Lack of material
- ▶ Contamination

Bottom & Inner Sidewall module inspects for:

- ▶ Bottom contamination
- ▶ Pinhole
- ▶ Misaligned gate
- ▶ Bent preforms
- ▶ Lower inner sidewalls contamination

Special characteristics

- ▶ Integration in several blow molding machines
- ▶ Compact design/ modular architecture
- ▶ Motorized height adjustment
- ▶ Capability to inspect preforms of different colors and sizes
- ▶ Detection of finish defects down to 0.33mm
- ▶ Detects even the tiniest bottom defect
- ▶ Sensitivity defined by users
- ▶ Operating performance up to 55,000 preforms/hour
- ▶ Remote access and technical support
- ▶ 18 months warranty
- ▶ Based on QUBBER EYE Q holistic vision platform

Options

- ▶ Modules installation in different machines with common central unit
- ▶ Data exchange
- ▶ Statistical Software QUBBER Q-Report
- ▶ Multi-language interface



Specifications

Ambient temperature	0°C to 45°C
Ambient humidity	95%RH or less (non-condensing)
Protection category	IP55
Modules construction	Stainless steel and aluminum
Central unit construction	Sheet steel RAL 7035, IP55, NEMA12
Processing unit	High performance industrial computer
Image acquisition sensors	High-resolution, industrial cameras
Lighting	Long-life industrial LED lighting
HMI	15" industrial touch screen, front panel NEMA4/IP65
Electrical requirements	Single-phase, 120/230VAC, 50/60Hz, 250W
Operating performance	Up to 55,000 preforms /hour