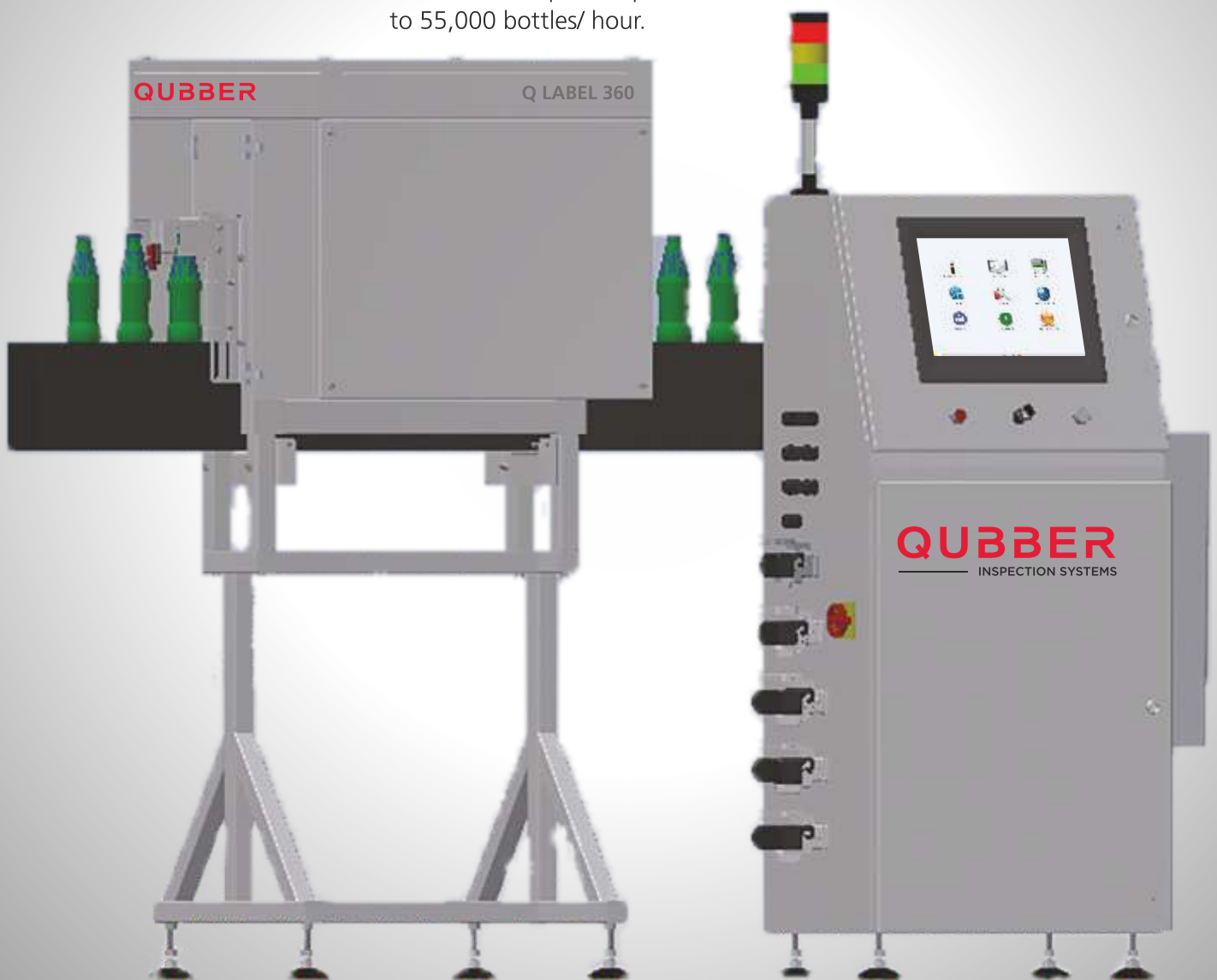


Q-LABEL 360

*A 360-degree label inspection and date/ lot verification system
at high speed bottling lines*

LABEL PRESENCE AND POSITIONING DATE/LOT VERIFICATION

An advanced modular system equipped
with 7 cameras providing both label
inspection and date/ lot verification of
non-oriented bottles at line speeds up
to 55,000 bottles/ hour.



QUBBER
INSPECTION SYSTEMS

Q-LABEL 360

Inspections

Label inspection module- after the labeling machine

- ▶ Label presence
- ▶ Label positioning and alignment

Printing inspection module- inside the labeling machine

- ▶ Missing printed character or line
- ▶ Wrong characters
- ▶ Poorly printed or confusing characters
- ▶ Cut-off/ shrunk/ smudged printing

Special characteristics

- ▶ Inspecting glass or plastic bottles, up to 0.5 lt, regardless of the bottle or liquid color
- ▶ Reading various types of printings (inkjet, laser etc)
- ▶ Compact design for installation inside the labeling machine
- ▶ Easy-clean design
- ▶ Integration without interrupting the production line
- ▶ 360-degree bottle reconstruction based on QUBBER's P-Train algorithm
- ▶ Quick changeover
- ▶ Encoder-based rejections
- ▶ Operating performance up to 55,000 bottles/hour
- ▶ Remote access and technical support
- ▶ 18 months warranty
- ▶ Based on QUBBER EYE Q holistic vision platform

Options

- ▶ Additional inspections can be integrated
- ▶ 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 (For the label module)
Construction	Stainless steel AISI 304L
Image acquisition sensors	Seven high-resolution industrial cameras
Processing unit	High performance industrial computer
Lighting	Long life strobe LED lighting
HMI	15" industrial touch screen, front panel NEMA4/ IP65
Electrical Requirements	120 – 230 VAC, single phase, 750W
Operating speed	Up to 55,000 items/ hour