



MULTIPLUS-VVG

PRINT INSPECTION MACHINE

Print inspection machine for
GLASS BOTTLES



NEW CONCEPT OF PRINT INSPECTION

Multiplus is the 100% universal quality control module for glass bottles. The system can be used as a stand alone off-line inspection machine or it can be installed at the end of the printing line.

QUALITY IS EASY

Multiplus ensures reliable defect detection with a full combination of materials, printing process, artworks and bottle shapes. Spectro is easy to use: the setup of a new job can be done in less than one minute.

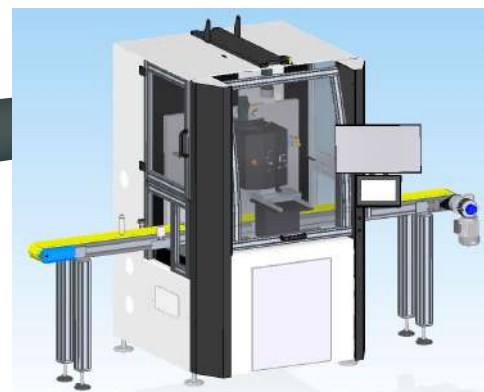
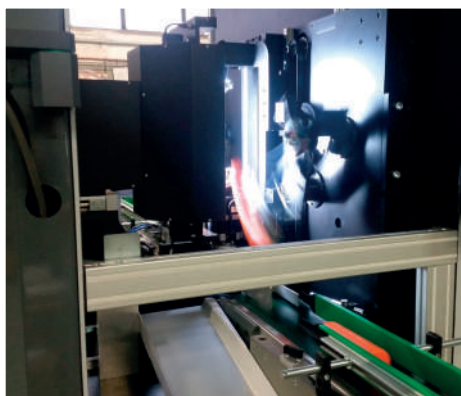
BENEFITS

Multiplus guarantees a powerful combination of print quality and waste reduction. Objectivity and accuracy of the control improves your print quality and it ensures a production without printing defects. On line integration allows waste reduction and printing process optimization. Spectro is able to prevent widespread failure and avert large quantities of waste. The benefit results in cost reduction and improved process efficiency that drives up profits and company reputation.

MACHINE COMPOSITION

The system consists of the following elements:

- Loading chute that can be connected to any printing line
- Air flow separator
- Loading pick and place with orientation
- Rotation device with brushless motor
- SPECTRO L-250 camera system for the print quality inspection
- Camera holding and micrometric adjustment for different bottles diameter
- Two output chutes (good bottles and faulty bottles)
- Rejection device



TECHNICAL DATA

Bottles range	Up to 180mm lengths and 80mm diameter
Machine speed	Up to 65 pcs/min (depending on the bottle diameter)
Mechanical details	Dimension : 1200 mm (L) x 1200 mm (W) x 1950 mm (H)
Weight	1.200 Kg
Connection	380V (2,5KW), compressed air
SPECTRO-L250 camera	High resolution colour line-scan camera (tri-linear 4096 pixel)
SPECTRO-L 250 light	LED dedicated illumination system with diffuse light and dark field light.
SPECTRO-L 250 features	Automatic Setup, Different login levels, Powerful defect detection, Easy setting, Touch screen interface, Full production report
Typical defects	Missing print, blurs, smears, colour variation, mis-registration, scratches.

Technical data and system specifications refer to the state at the time of printing.

We reserve the right to modify them in the interest of a continuous program of further development.