



CONDOR PLUS MXX

INSPECTION SYSTEM FOR PLASTIC BOTTLES

Print inspection machine for
PLASTIC BOTTLES



NEW CONCEPT OF INSPECTION

CONDOR PLUS MXX has a very intuitive operator interface with a fast setup and a really powerful defect detection software.

The system can be as a stand alone off-line inspection machine or it can be installed at the end of the printing line.

QUALITY IS EASY

CONDOR can carry out a 100% analysis of the typical defects produced by the blow molding and injection molding process. Setup operation for the product's change are automatic: the operator has nothing more to do except inputting or recalling the client and/or product-code.

BENEFITS

CONDOR PLUS MXX guarantees a powerful combination of quality and waste reduction.

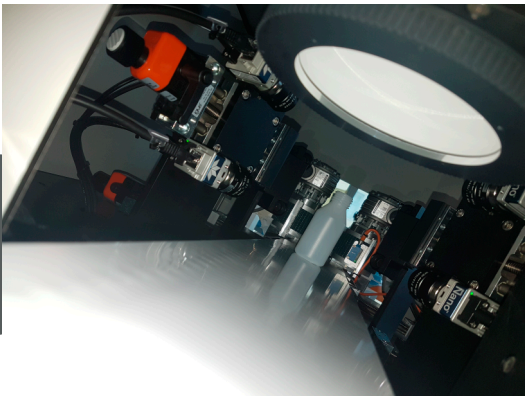
Objectivity and accuracy of the control improves your quality and it ensures a production without defects. On line integration allows waste reduction and process optimization. CONDOR is able to prevent widespread fail-ure and avert large quantities of waste.

The benefit results in cost reduction and improved process efficiency that drives up profits and company reputation.

MACHINE COMPOSITION

The system consists of three subsystems:

- **Handling system**
The handling system consist of: Transportation belt with dedicated driver, Encoder for speed detection, Electric eyes sensor for bottles, Missing reject photoelectric detector and Electric device for reject
- **Processing hardware**
The processing hardware is integrated into the mechanical frame and it is composed by Electric Panel, Hardware vision module operating on Windows 64 bit OS and LCD touch screen monitor 22"
- **Image capture units**
Image capture device consists of three blocks of cameras and illuminators. The first block is dedicated to the control of the top of the bottle, the second to the control of the bottom of the bottle and the third is dedicated to the control of the bottle sidewall.



TECHNICAL DATA

Bottles range	Up to 180mm lengths and 100mm diameter (max depth for oval bottle 70 mm)
Machine speed	Up to 120 pcs/min
Mechanical details	Dimension : 1200 mm (L) x 1200 mm (W) x 1950 mm (H)
Weight	600 Kg
Connection	220V (2KW)
SPECTRO-M camera	Industrial grey levels camera 5 Mpixel (optional 16 Mpixel)
SPECTRO-M light	LED dedicated illumination system with diffuse light and dark field light.
SPECTRO-M features	Automatic Setup, Different login levels, Powerful defect detection, Easy setting, Touch screen interface, Full production report
Typical defects	Black and white dots, Lack of material, Material burrs, Defect on the surface

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.