MINITUB

PRINT INSPECTION MACHINE

Print inspection machine for
CYLINDRICAL PLASTIC TUBES

NEW CONCEPT OF PRINT INSPECTION

MINITUB is a stand-alone 100% Print Quality Inspection machine for cylindrical plastic tubes, which can be placed after the decoration machine, or work as an independent module.

QUALITY IS EASY

The easy loading of the tubes, the handling the very fast and quality inspection and the confortable unloading of the samples by configurable conveyors, make the MINITUB the suitable solution in most situations where an inspection system can't be mounted inside of the decoration machine.

BENEFITS

MINITUB guarantees a powerful combination of an easy to handle machine and a high performing print quality inspection system. This combination leads to a consistent waste reduction and a consistent increase of the quality of the decorated products. MINITUB ensures reliable defect detection with a full combination of printing process and printed artworks.

MINITUB is easy to use: the setup of a new job can be done in less than 5 minute. The benefit results in cost reduction and improved process efficiency that drives up profits and company reputation.

MINITUB is equipped with SPECTRO-L Vision System that ensures 100% print inspection and highly easy to use interface.

MACHINE COMPOSITION

The system consists of the following elements:

- Loading conveyor that can be connected to any printing line (Height inlet belt 950mm)
- Loading Slit with air flow aligns
- Index table and Inspection mandrel where the vacuum keeps the tubes stables in position
- Unloading conveyor (Height outlet belt 850mm)
- SPECTRO L-250 camera system for the print quality inspection
- Camera holding and micrometric adjustment for different tubes diameter
- Two output chutes (good bottles and faulty bottles)
- Rejection device

TECHNICAL DATA

Bottles range	Up to 225mm lengths and Up to 60mm diameter (min. diameter 19mm)
Machine speed	Up to 70 pcs/min
Mechanical details	Dimension : 2685 mm (L) x 1150 mm (W) x 1815 mm (H)
Weight	600 Kg
Connection	220V (3KW), compressed air (6-8 bar)
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.