

**PRODUCT  
CONTROL IN  
THERMOFORMED  
PACKAGES**

This is the solution designed to inspect pharmaceutical products contained inside thermoformed packages such as syringes, bottles or vials.

The system is easily integrated into blister & tray thermoforming machines and checks for the presence and integrity of all the products inside the thermoformed pockets before they are sealed.

**PIC** inspects up to 12 blisters per single image, each of which may contain as many as 20 different check zones, thanks to one or more color or B/W cameras with resolutions up to 1600x1200 pixels.

**PIC** may be equipped with all the traditional control devices downstream of the line such as carton inspection units, label print correctness, one-and two-dimensional bar code readers, OCR/OCV and variable data tracking systems.





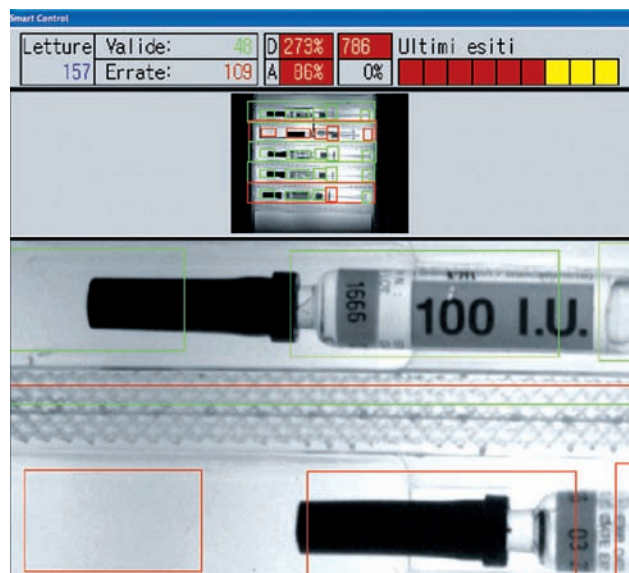
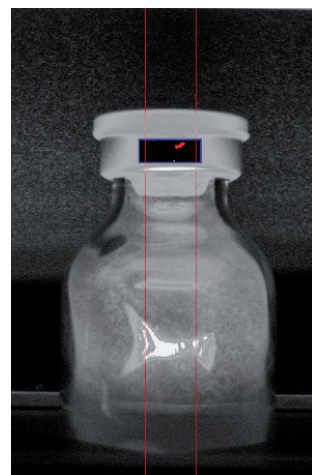
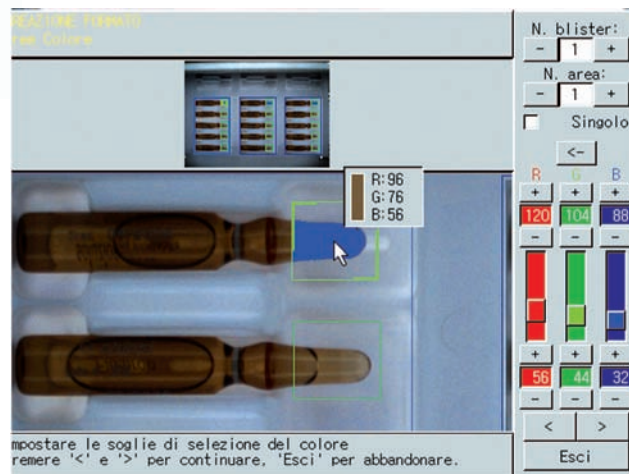


# PACKAGE INTEGRITY CONTROL



## FEATURES AND BENEFITS

- **PIC** detects the presence, integrity and shape of vials, bottles or syringes through specific controls depending on type of package and product:
  - colored rings on vials
  - color of the glass
  - shape of glass container
  - correct package filling
  - correct stopper position
  - correct stopper color
  - correctness of the cap and flip-off closure
  - syringe needle inspection
- Inspects up to 12 blisters per single image, each of which can contain up to 20 different check zones.
- Uses one or more color or B/W cameras with resolutions up to 1600x1200 pixels.
- Embedded technology-based industrial solution: the intelligent camera runs all the processings through its own real time operating system, without Windows and hard disk, thus ensuring utmost reliability.
- Easy and user-friendly graphic user interface based on touch screen display controlled directly by the camera or resident in the machine PC, if installed.
- Conforms to standards 21 CFR part 11.
- Possibility of customizing inspections and ad hoc function development.
- Availability of validation documents IQ, OQ, PQ.
- PIC is compatible with the Antares Vision network architecture and may therefore be integrated with all the traditional line controls such as carton inspection, blister inspection, label print correctness, one- and two-dimensional bar code reading, OCR/OCV and variable data tracking systems.



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