TRACK & TRACE

CAPA   360° Orbital

■ Description

The systems of the **CAPA** product family are designed for the packaging process and are compliant with Track & Trace requirements.

CAPA 360° Orbital is a 360° inspection system, designed for the inspection and reading of 2D and helper codes on pharmaceutical, resealable plastic bottles. Thanks to the 360° reading area, the orbital inspection offers an all round quality inspection of containers of any shape as well as printing, serialisation and aggregation functionality for the relevant codes.

■ Area of Application

Applicable Objects:

▪ Plastic bottles

Inspection Criteria:

▪ 2D codes: Printing and verification
▪ UV helper codes: Print and reading
▪ Lid and label:
  Verification of correct position

■ Highlights

▪ High resolution 6-camera system utilising newest technology
▪ Full serialisation available
▪ Aggregation in bundling machines or toploader possible
▪ Typical Continuous Ink Jet (CIJ) printers for helper code print are integrated
▪ Maximum speed of 120 bottles per minute
▪ Equipped with W-LED illumination and UV illumination
▪ Minimal spacing between bottles established by optimal conveyor speed
▪ Full integration into control or switch cabinets

▪ Integrated bottle separation which also benefits application in further processes
▪ Crowding at machine entry and exit is circumvented
▪ Uniform graphical interface, intuitive menu structure and easy data entry
▪ Code readability maintained as object transportation avoids contact and thereby reduces subsequent scratching
▪ High-quality standard components enable efficient spare parts supply

■ System

CAPA 360° Orbital is used in the packaging process and is a solution designed for aggregation via a helper code. Printing, reading and linking the helper code to the serial number on the bottle label are the core functionalities enabling aggregation of the products in fully automatic case packers.

Software Facts

- Intuitive operation with the most up-to-date **software architecture QI**
- Data of serialised products is processed simultaneously with machine operation
- Standardised communication interfaces to Level 2 (Line manager)
- Article-specific modes for serialised, variable or fixed data on product
- Format management of machine parameters
- Individual adjustment options for upstream and downstream processes

Camera

Utilisation of six high resolution cameras allows a 360° reading area for **CAPA 360° Orbital**, thus products can be inspected from any angle around the circumference of the bottle. This effectively eliminates the need to align the object in any particular direction. Six state-of-the-art cameras are installed, each with a resolution of five megapixels and integrated SMD-W-LED illuminations.

Illumination

The illumination units used in the **CAPA 360° Orbital** are integrated as top light in the camera housing and can be set to 16 brightness levels. The settings are saved as part of the format and consequently, they are consistently reproducible. For the inspection of helper codes, the placement of UV lighting can also be implemented.

■ Quality is visible.

- Modular build for a multitude of installation options
- Real-time operating system QNX® for security and speed
- Uniform graphical interface and easy-to-follow menu structure
- Hard- and software are expandable and upgradable

- Fully 21 CFR Part 11 compliant
- Wear-free, electronically controllable scanware W-LED illumination
- Easy to install on all common packaging machinery
- Communication with machine via a VDMAXML_P or OPC UA protocol
- Simultaneous use of numerous inspection parameters

- Variety of statistical tools
- Development of special tasks and requirements on your request
- Availability of all parts guaranteed for 10 years
- Service offering solutions and support within 24 hours

Management   **Packaging**   **Blister & Products**   **Codes, Text & Graphics**   **Track & Trace**   **Support**

scanware

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