

CODES, TEXT & GRAPHICS INSPECTION



SIGNUM Tube 1DC

Description

The print inspection **SIGNUM Tube** occurs between tube feeding and tube filling. The system inspects the print of barcodes and print marks on aluminium and plastic tubes; either monochrome or multi-coloured. This increases productivity as incorrectly marked tubes will not be allowed to move on to filling. Correct orientation of the tube for sealing or overprinting can be ensured.



Area of Application

Applicable objects:

- Aluminium tubes
- Plastic tubes

Inspection Criteria:

- Pharmacode
- Miniature Pharmacode
- Print marks



Highlights

- Integration into the newest **QI visualisation**
- Visualisation of the current reading and a history of the 15 previous results
- Ideal add-on to existing packaging lines
- Good and bad signals are evaluated using signals in the integrated shift register
- Extraordinarily high speed and reaction time after the reading

■ System

The tube inspection application is performed using the 1D code inspection system **SIGNUM Codes (1DC)**. It inspects pharmacodes, miniature pharmacodes and print marks once imprinted onto the tube.

Due to the compact build, the system can be installed on all types and models of tube filling machinery and therefore is an ideal add-on to any existing packaging line.

The 1D code inspection utilises code readers that offer high-speed code reading and response time. This enables evaluation without interruptions for highest inspection standards.

The reading of the pharmacode, miniature pharmacode and print marks follows menu settings in a menu designed for highest user comfort and within the newest **software architecture QI**. Transmission of the evaluation results occurs in real-time at the PLC.

The reading of the printed pharmacodes is possible at positions where a camera solution is not suitable. Distortion of the print due to the curvature of the tube are overcome with the algorithms within the software to ensure correct reading.

The required installation space for the sensor is considerably lower compared to camera solutions and therefore offers high flexibility. Furthermore, integration into the **IMPERA Line Management** environment is possible.



■ 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



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