

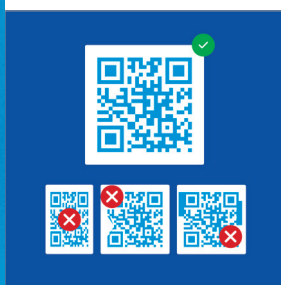
V31 Print Inspection System

Print Quality & Barcode Grading



Code Inspection

Verifies 1D or 2D codes, alpha-numeric text presence and readability. Verifies print is presented perfectly, rejecting labels with smears, misprints, or missing information.



Barcode Grading

1D / 2D / PDF417 code grading (decode, unused error correction, modulation, axial non-uniformity and grid non-uniformity, fix pattern damage, reflectance margin, symbol contrast). The system can reject labels with poor quality based on ISO15415/15416.



Easy-to-use Software

Intuitive touch screen interface and standard configuration of inspection tools simplifies new product setup, saving time and money.



V31 Print Inspection System

The V31 Print Inspection System is designed exclusively for the inspection of labels directly after printing, ideal for pharmaceutical and medical device manufacturers. The Vision Inspection System combined with a thermal transfer printer is pre-configured to provide a complete solution to eliminate common label defects before being applied to packages.

The system verifies 1D and 2D codes, as well as alpha-numeric text, to allow fail-safe removal of labels with smears, misprints, or missing information. The powerful CIVCore software and intuitive user interface simplifies operator training.

Technical Specifications

Exclusively labels

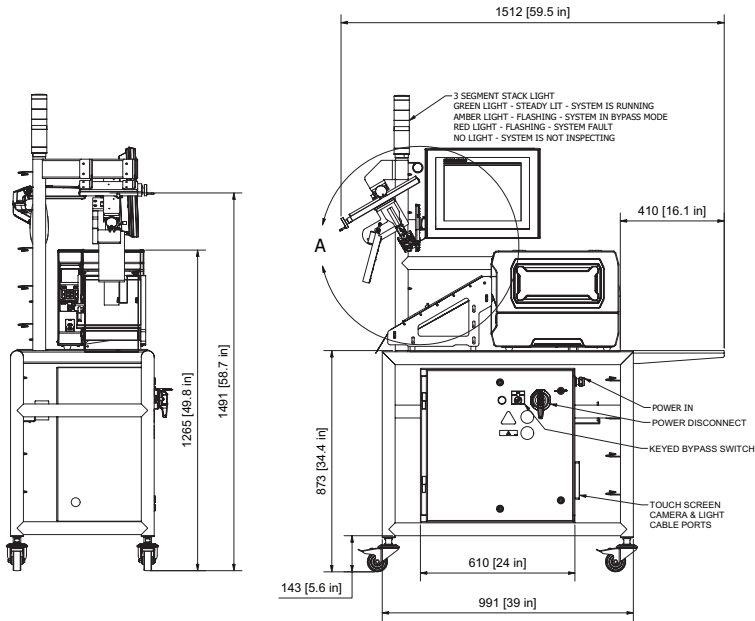
Applications

Label Inspection:

- 1D, 2D, and PDF417 code grading and reading
- Alpha-numeric text quality and reading

Software Capabilities

- The intuitive user interface with CIVCore software offers easy-to-use and setup functions for versatility in label inspection applications.
- The system forces the operator to remove the rejected labels to comply with regulations.



Schematic – typical dimensions

Available Configurations

The system includes a camera, light, and control terminal.

Model	V31 Print Inspection System
Max Inspection Area (l x w)	130 mm x 110 mm (5.1" x 4.3")
Frame Dimensions (l x w x h)	1512 mm x 567 mm x 1843 mm
Number of Cameras	1
Number of Lights	1
Max Throughput	305 mm/s (12ips) at 300 dpi
Vision Technology	PC-based Cameras
Power Requirements	110 – 230 V (single phase), 50 – 60 Hz
Operating Temperature (no A/C)	>32°F (0°C) <95°F (35°C) <80% humidity
IP Rating	IP2X

Note: Additional options that can be configured to your production line.

METTLER TOLEDO Service with global reach and tailored care solutions



Mettler-Toledo Group
Product Inspection Division
Local contact: www.mt.com/contacts

Subject to technical changes.
Images are examples only.
©05/2025 METTLER TOLEDO. All rights reserved.
PI-VI-DSHEET-V31PrintInspectionSystem-EN

www.mt.com/ci-vision

For more information