

## V31 Oriented Line

### Flexible Label & Package Inspection



#### Label Check

Inspect label quality, text, or other graphic identification to prevent label and package mix-up. System ensures that correct labeling is applied when managing product changeovers on high-speed production lines.



#### Code Check

Verify 1D and 2D barcodes, alpha-numeric text presence and print quality on the label. Verify end of line inkjet print is presented perfectly – reject products with smeared, misprinted or missing information.



#### Cap and Fill Check

Check cap or lid presence, color, and skew to ensure top packaging components match side label packaging. Detect fill levels on transparent containers to minimize overfill and eliminate under filled product.



#### Easy-to-use Software

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



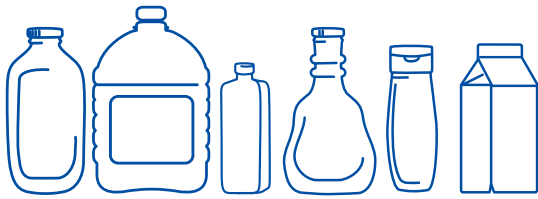
#### Flexible Vision Inspection System

For consumer packaged product manufacturers wanting to control the quality of their label or packaging, the V31 Oriented Line is pre-configured to provide a complete solution for common packaging and labeling defects.

- **Flexibility** – The system is easy to install, configure, operate and expand. The system is able to keep pace as your needs increase.
- **Adaptability** – Print, label, container or case – the system can do it all. Whatever the inspection, it has been designed to meet your needs
- **Usability** – The powerful CIVCore software and intuitive user interface make vision inspection a simple user experience.

## V31 Oriented Line

### Technical Specifications



#### Typical Containers – Oriented Bottles or Cartons

#### Applications

Oriented containers package fill control, label inspection, package integrity, label/cap inspection, label mix-up prevention

#### Inspection Capabilities

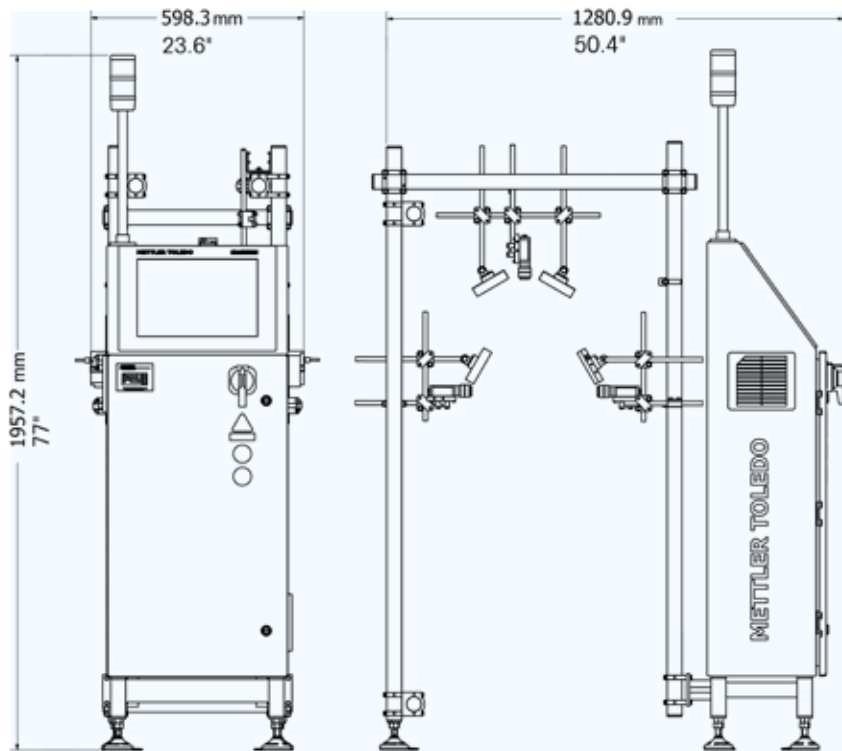
- 1D and 2D barcode presence and reading
- Alpha-numeric text presence and reading
- Presence and quality of graphics
- Label quality, position and skew
- Fill level and closure application

#### Software Capabilities

- CIVCore interface is standard on all METTLER TOLEDO CI-Vision solutions – companies with other CI-Vision inspection solutions on their line will find the same easy-to-use interface on this system.
- Failure string signals: The V31 Oriented Line system can be programmed to signal operators or shut down production based on production trends or a set of consecutive failures, allowing for early detection of weak points in the production process.
- Anti-circumvention capabilities provide a safeguard against bypassing inspection to speed up production – making sure that every product gets inspected.

#### Available Configurations

The system includes cameras, lights, product tracking, control terminal and our Rapid Fit frame.



Schematic – V31 Oriented Line front view... and side view (typical dimensions)

Model	V31 Oriented Line
Max Inspection Area (l x w)	200 mm x 200 mm (7.9" x 7.9")
Frame Dimensions	Varies
No. of Cameras	Up to 6
No. of Lights	Up to 6
Inspection Throughput	Up to 1000 ppm
Vision Technology	PC Controlled GigE Cameras
Power Requirements	110 - 230 V (single phase), 50 - 60 Hz
Operating Temperature (no A/C)	<80 °F (26 °C) <80 % humidity
Ingress Protection	IP65

Note: The system has additional options that can be configured to your production line. Contact us today to get a quote.

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**Mettler-Toledo Group**  
Product Inspection Division  
Local contact: [www.mf.com/contacts](http://www.mf.com/contacts)

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