

V33 Flat Pack Line

Integrated 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.



Seal Check

Check product seals for air pockets, debris or product trapped in the seal area to ensure package closure is secure.



Easy-to-use Software

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



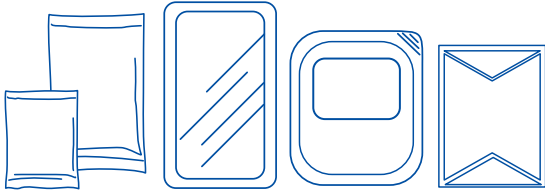
Vision Inspection System for Flat Packs

The METTLER TOLEDO V33 Flat Pack Line offers complete inspection of essential prints, labels and seals of packaged fresh foods ensuring the right packaging is delivered every time. The system operates effectively in almost all flat packaged food operations.

- **Ensure Package Seal Integrity** – Inspect package seals for foreign debris, punctures and improperly sealed closures removing the danger of contamination caused by poor sealing
- **Perfect Product Presentation** – Ensure the correct labels are properly applied and ensure text and barcodes are readable
- **Easy-to-Use** – The powerful CIVCore software and intuitive touchscreen interface make vision inspection a simple user experience.

V33 Flat Pack Line

Technical Specifications



Typical Containers – Trays, Flat Packs and Pouches

Package Specifications

- Surface deviation ≤ 20 mm
- Spacing ≥ 25 mm between packages

Inspection Capabilities

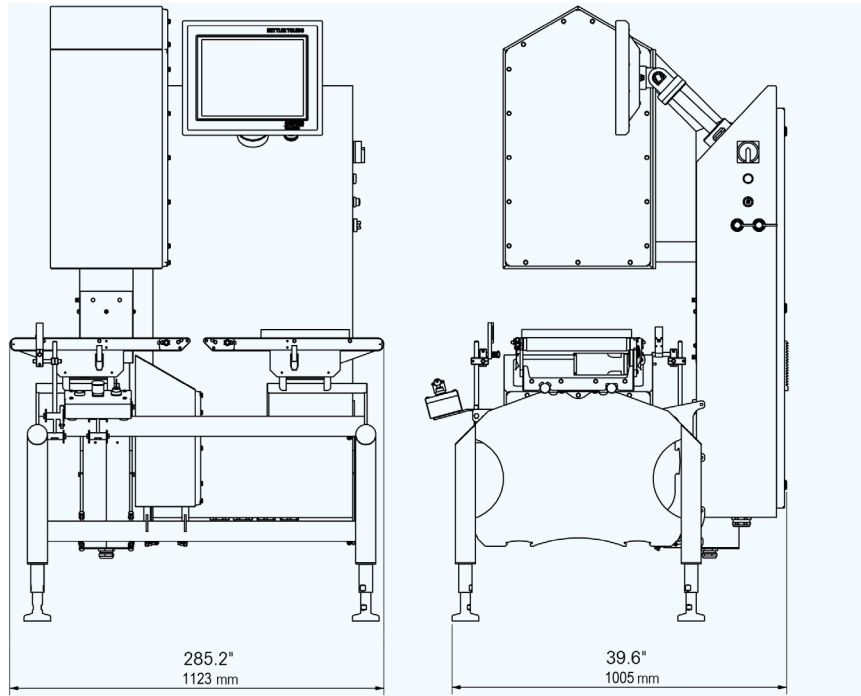
- 1D and 2D barcode presence, reading and verification
- Alpha-numeric text presence, reading and verification
- Presence and quality of graphics
- Label position (Y position)
- Label quality (flags, holes, tears)
- Label verification

Additional for Top Inspections!:

- Film type and position detection (shift ≥ 3 mm, $> 3^\circ$ skew)
- Seal contaminant detection (contaminant is > 3 mm²)

Optional Equipment:

- Color option to control label/film number and color graphics
- Rejectors and catch bins
- Handheld barcode readers for quick product changeover
- Integration with METTLER TOLEDO checkweighers, X-ray and metal detectors



Schematic – V33 Flat Pack Line front view... and side view (typical dimensions)

Model	V33 Flat Pack Line
Max. Package Dimensions (l x w)	300 mm x 300 mm (11.8" x 11.8")
Max. Inspection Area	200 mm x 200 mm (7.9" x 7.9")
No. of Cameras	Up to 3
No. of Lights	Up to 3
Inspection Throughput	400 ppm
Vision Technology	PC Controlled Line Scan
Conveyor Speed	70 m/minute
Power Requirements	110 - 230 V (single phase), 50 - 60 Hz
Operating Temperature (no A/C)	$< 80^\circ\text{F}$ (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.

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.
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PI-VI-DSHEET-V33FLATPLINE-EN

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For more information