

Compact Vision



The **BBULL CL-V** provides a complete low-cost post-filler inspection solution where line space is a premium.

Advantages

- Extremely compact design, combining over- and under-fill inspection with cap and closure inspection allows easy integration into new and existing production lines using minimal line space.
- High inspection accuracy and reliability for foaming and non-foaming products.
- No radiation source with complete safe operation.
- Intuitive user-interface, stored configurations, and simple height adjustment for fast change-overs.
- Embedded support for reject tracking and additional inspection inputs allows expandable functionality.

BBULL COMPACT VISION (CLV) is a combined under-fill, over-fill, and closure inspection solution for PET or Glass containers where the fill-level is visible. Designed to fit into any production line, the **BBULL CL-V** is completely safe and provides reliable accurate inspection of the fill and closure area of the container in a single compact package.

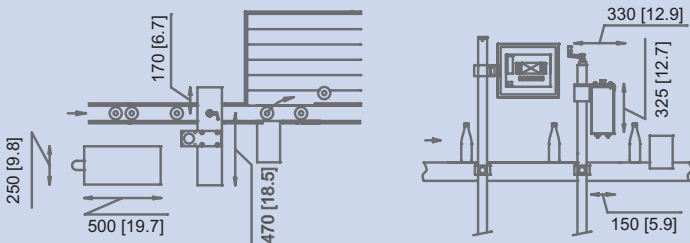
Specifications

Max Speed:	72,000c/h; 1200bpm
Max Line Speed:	2.0m/s; 5.9ft/s
Accuracy:	2-3mm; .08-12 Inches
Container Types:	Transparent or Semi Transparent PET and Glass.
Electrical Requirements:	110-250vac; 50/60hz;
Source:	Infra-Red LED Backlight

Functionality

BBULL CL-V uses a CCD camera and optimized illumination to acquire an image of the neck of the container. Sophisticated application specific image processing techniques are used to detect the height of the fill level and closure. A pendant mounted touchscreen pc-controller with LCD display provides inspection processing; integrated container tracking, auxiliary reject inputs for additional inspections, and an intuitive ease-to-use interface to setup and configure inspection parameters. The robust industry proven inspection bridge is designed for simple height adjustment.

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