

# VTD



The **BBULL VTD** is a simple low cost method to reduce lost production efficiency due to dislodged or broken vent-tubes, and the reassurance that large metal contaminants reaching the end-user.

## Advantages

- Highly reliable inspection to ensure vent-tube issues can be quickly and efficiently resolved.
- Compact design with integrated controls for easy integration into new or existing production lines.
- Simple height and width adjustment for fast change-overs.
- Robust IP65 / Nema 4x construction for low maintenance and long-life.

**BBULL VENT TUBE DETECTION (VTD)** is a high speed metal object inspection system for filled glass, plastic, or PET bottling lines. Designed to install immediately after the filler, the **BBULL VTD** uses electro-magnetic sensors to detect dislodged or broken vent-tubes, and ensure minimal loss of production time.

## Specifications

<b>Max Speed:</b>	60,000c/h; 1000bpm
<b>Max Line Speed:</b>	1.7m/s; 5.6ft/s
<b>Accuracy:</b>	6x105mm; .25x4inch
<b>Working Distance for 1.5mm object:</b>	SST 50mm; FE 60mm
<b>Electrical Requirements:</b>	110-250vac; 50/60hz;
<b>Air Requirements:</b>	see reject device

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## Functionality

*BBULL VTD uses one or two high sensitivity electromagnetic inductive sensors to detect lost vent-tubes in filled containers. The sensors have a working distance of approximately 50mm for Stainless Steel, and 60mm for Ferris metals. The system can be supplied stand-alone with an integrated controller, or as part of a filler monitoring package. The control system provides a NC 24V signal for interface with an alarm or conveyor control system. Three versions are available depending on the diameter of the bottle.*

**BBULL**<sup>®</sup>  
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