

**BBULL**®  
TECHNOLOGY

**BBULL ALPHA COMPACT**  
Basic System for fill level inspection

## BBULL ALPHA Compact

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- Functional limited version for max. price advantage
- Stand-alone solution
  - Single Function (Alternative):
    - underfill or overfill with cap presence inspection
    - cap deflection (CIS)
    - pressure inspection (Pulse)
  - Single Rejection
- Standardised components
- Easy installation, setup & operation
  - pre-configuration in production
  - minimum wiring efforts at installation
- Compact & robust design
- High efficiency
  - Easy product change
  - Up to 120.000 bottles per hour



## Function

### Fill Level Inspection (by x-ray or optical sensory)

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#### Underfill

- Legal requirements
- Fluctuating fill levels
  - Image damage on the shelf (comparison with competitors)
- Complaints
- Quantity (customer perspective)

or

#### Overfill

- Overpressure, burst
- Unnecessary costs
  - Product waste
- Overweight (pallets, shipping)

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#### Cap detection

- Missing caps



## Function Cap Deflection (CIS)

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### CAP Deflection Inspection

- missing caps
- tilted caps
- missing vacuum
- missing pressure
- high pressure



## Function

### Leakage Detection (Pulse)

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#### Leakage Inspection

- No pressure to the containers
  - no mechanical load on the containers (deformation)
- Easy retrofit of existing lines
  - little space needed
  - installation after the labeller possible
- no change of line guides necessary
  - rising railing in the inlet is sufficient
- No electrical drives and expensive wearing parts
  - minimal maintenance (cleaning only)



## **BBULL Alpha Compact Controller**

- Operation and display with
  - Integrated 7" display
  - Ethernet (desktop PC or laptop)
- Standardised HMI
- Remote maintenance and remote control trough Ethernet
  - with certified hardware module (MGUARD)
- Minimal installation effort



## Accessibility

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- Scalable HMI
- Split screen
- Multi access point technology
  - Visualization & Operation via
    - On site at the 7" multi-touch display
    - Connected BBULL Alpha Master 10" multi-touch display
    - With all common windows 10 laptops, tablets
    - Central 24" access panel



## Modern HMI

- intuitive
- graphical representation
- extensive user administration
- configurable via teach-in
- multi touch functionality





## Why BBULL Fill Level Inspection?

- Developed in customer synergy
- 40 years technical engineering experience in the beverage industry
- Fixing on site problems
  - Small footprint
  - Easy cleaning
  - Simple operation
- The best solutions further developed
- Highest precision until the highest speeds
- Maximum safety
- Minimum legal requirements
- High performance / Low cost
- Quick & easy solutions
  - Contact free
  - Easy integration





**We Thank You  
For Your Attention & Interest**

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