



**ALPHA FOZ / FM**  
Filler / Closure  
Management Solution

# Motivation

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Leverage BBULL Technology's **ALPHA FOZ / FM** solution to uplift your production quality, efficiency, and compliance.

Harness real-time insights for proactive problem-solving and process optimization.

Enjoy seamless installation and user-friendly operations, leading to satisfied technicians and a successful business.



# Benefits

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## Improved Quality Control

Provide real-time data about production quality, maintain consistent product quality and minimize defects.

## Increased Efficiency

Monitoring machine performance, identify bottlenecks and optimize production processes to increase efficiency. Controlling for sampling, bottle burst handling and high air rejection.

## Proactive Maintenance

Identify potential issues before they become major problems, schedule maintenance proactively and reduce unplanned downtime.

# Benefits

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## Lower Operating Costs

Increasing efficiency and reducing downtime, our system can help customers lower their operating costs and improve profitability.

## Enhanced Compliance

Provide accurate and reliable data that can be used to demonstrate compliance with regulatory requirements and ensure consumer safety.

## Improved Customer Satisfaction

Ensure consistent product quality and timely delivery, improve customer satisfaction and loyalty.





# Application

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The BBULL ALPHA FM Solution has a wide range of possible applications in various industries that require high-speed, automated filling, capping, and labelling processes. E.g.

## **Food and Beverage e.g.**

- Water, Juice, carbonated drinks, and Beer
- Sauces, condiments, and dressings

## **Cosmetics e.g.**

- shampoos, conditioners, lotions, and creams

## **Chemicals e.g.**

- detergents, cleaners, and solvents.

## **Personal Care e.g.**

- such as soaps, body washes, and perfumes.

## **Oil and Gas e.g.**

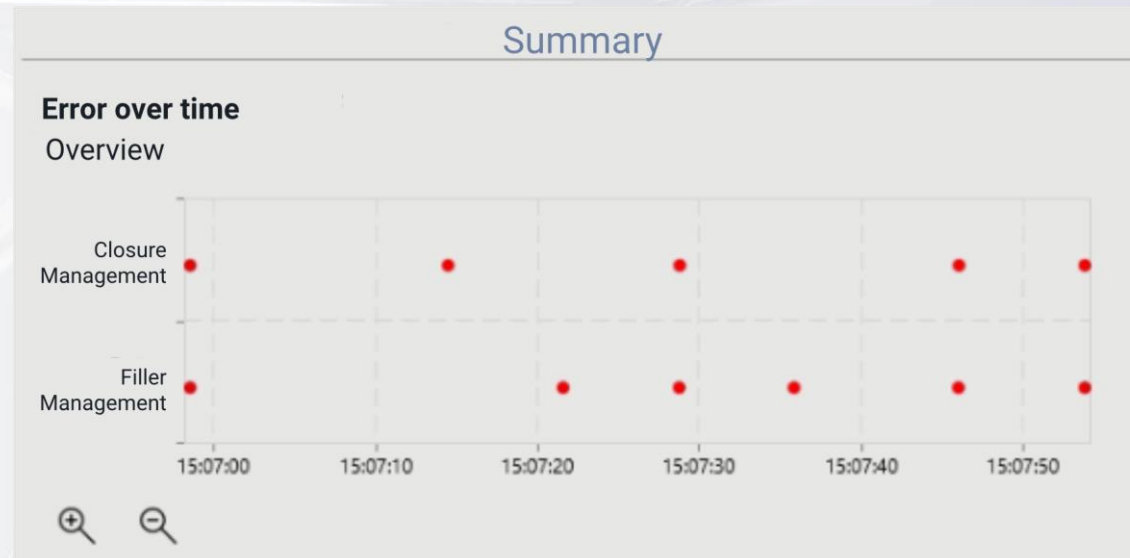
- lubricants, fuel additives, and specialty chemicals.

# Managing

The BBULL FM Solution provides a easy to read overview of production efficiency, problem frequency and potential bottle necks.

By collecting and processing of all available data like inspection systems, filler, closure and labeller data as well as over all production speed and rejections.

Additionally providing controlling for sampling, bottle burst rejection and high air rejection.



# Error Management

Extensive error message management

## Adjustable stop signal

- no signal
- 1 sec
- Permanent
- Reserved

## Adjustable Message Types

- Not assigned
- Information
- Warning
- Error
- Error with impact on ready signal

The screenshot shows the EBULL TECHNOLOGY configuration interface. At the top, there is a header with the EBULL TECHNOLOGY logo, a notification count of 0, and the word 'KONFIGURATION'. Below the header, there are tabs for 'Linie 1' and 'Installation 1'. The main content area is divided into several sections, each representing a different error message type. Each section includes a checkbox for 'Nachricht ist quittierbar', a checkbox for 'Quitierte Nachricht erst nach Validierung entfernen', a 'Stop signal' dropdown menu, and an 'Art der Nachricht' dropdown menu. The error messages are listed in a table-like format with columns for the message ID, the message name, the message type (Information, Warning, Fehler), and a direction arrow.

Message ID	Message Name	Message Type	Direction
63 / 235	Seriell-Fehlerrate-Stopp	Information	↑
64 / 235	\$\$\$Comp-TREND-OutOfRange	Information	↓
65 / 235	\$\$\$Comp-TemperatureMonitorWarning	Warnung	↓
66 / 235	\$\$\$Comp-TemperatureMonitorError	Fehler	↓
67 / 235	Strahler-Lampe Überwachung	Warnung	↓
68 / 235	Sicherheitsausleitung	Warnung	↓

# Features



Filling valve and closing head monitoring

- with statistics and graphics

Production diagrams & advanced statistics

Sampling for laboratory purposes

- Filling valve
- Closure head

Service stop (serial and periodic errors)

Reject verify

Integrated tracking

Operation & visualisation via

- 10" display, PC (LAN), Tablet or smartphone (WLAN)

Easy teach-in

Connectivity with other BBULL systems

Multi-line concept

Cascadable- & expandable

Remote maintenance

Very compact design



# Expansions

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## Fill Level Inspection

- **Alpha X**

## Cap Inspection

- **Alpha MAS**
- **IMAGE 120**
- **IMAGE APA**

## Label Inspection

- **IMAGE 360**

## Recommended Rejection System

- **BOS** – Servo-driven rejection system
- **VARIOCURVE** – Servo-Driven rejection system
- **SERVO PUSHER** – Servo-driven rejection system
- **PUSHER** – Pneumatic rejection system
- **FLEX** – Pneumatic rejection system





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## **Take the Next Step! Request Further Information Today**

Contact us to learn more about our system and how it can help your business succeed. Our team of experts is ready to answer any questions and provide you with a personalized solution.

Don't wait, make a call or send an email today and learn about the difference our system can make!

