

How Maintal Increases Efficiency with **FASTEC 4 PRO**



Increase Output and Reduce Downtime

Maintal Konfitüren GmbH is known for its high-quality jams and spreads, which have been produced at its Haßfurt facility since 1886.

To enhance production efficiency and create greater transparency, Maintal implemented the Manufacturing Execution System (MES) **FASTEC 4 PRO**. Real-time digital data acquisition enables more precise analysis, faster responses, and data-driven optimizations, leading to sustainable improvements in production.

FASTEC 4 PRO features a modular structure, providing not only machine and production data acquisition but also modules for maintenance, quality assurance, and traceability.

Results in Focus::

- ✓ **Doubled output** through data-driven reallocation of resources in the filling process
- ✓ **Reduction of downtime** in the filling process by 20 to 30 minutes per day by implementing identified potential
- ✓ **Real-time data** for transparency, insights into product quality, and fast response capability during production
- ✓ **Digital recording** of all states and disruptions
- ✓ **Data-driven optimizations** for increased efficiency in production

*"The great advantage for us is that we receive **real-time data** and can respond to problems immediately."*

Sebastian Arnold

Deputy Production Manager at Maintal Konfitüren GmbH

The Challenge:

Reactive Response

In various production steps, Maintal produces over 650 varieties of spreads and jams. Before the introduction of FASTEC 4 PRO, the production processes were driven by gut feeling and reactive response. Employees communicated irregularities in the production flow between departments by phone.

Today, the company understands that many short disruptions are critical to overall performance.

With digital data acquisition, Maintal can implement targeted optimizations and thus improve the entire production process.

"We work most frequently with machine data acquisition in FASTEC 4 PRO. We examine the states, analyze them, and identify optimization potential as a result. Based on this, we implement measures and generate the desired progress."

Sebastian Arnold

Deputy Production Manager at Maintal Konfitüren GmbH



The Solution:

Identify Potential and Allocate Resources Based on Data

FASTEC 4 PRO supports companies in production planning, increases transparency through machine and production data, and provides dashboards with key KPIs. Additionally, maintenance, quality assurance, and traceability are digitized and automated.

At Maintal, the machine and production data acquisition modules are in use. Every day, employees analyze the data in the software, determine the Overall Equipment Effectiveness (OEE), compare current values with the previous day, and distribute reports to various departments within the company.

- **Real-Time Monitoring:** Maintal captures data in real time using FASTEC 4 PRO and can respond immediately to changes in the production process.
- **Potential Identification:** The company records and analyzes all states in production. It identifies potential and implements optimizations. The introduction of a new lid vacuum unit in the filling area reduced downtime.
- **Resource Allocation:** Based on the recorded data, Maintal optimizes the allocation of resources in production. This has led to a doubling of output in bucket filling on two days per week.
- **Quality Assurance:** Recorded process values allow conclusions to be drawn about product quality and make deviations and defects transparent. Through production data acquisition, Maintal can collect this data automatically.

The Benefit:

Transparency and Quick Responsiveness

Maintal uses the MES FASTEC 4 PRO to implement data-driven improvements in production, increasing efficiency and output while reducing downtime.

Various departments benefit from using FASTEC 4 PRO: Maintal applies data-driven improvements in production. Real-time data enables company-wide transparency and quick responsiveness.

- **For Management:**

Transparency – Management can access real-time data in the software at any time and stay continuously informed about progress.

- **For the Production Team:**

Quick responsiveness – FASTEC 4 PRO supports the production team in implementing measures to improve production. It identifies disruptions and resolves the root cause at the line unit.



"Our team has embraced FASTEC 4 PRO very well. We explained the background of the MES implementation and provided training. We were available to answer any questions. As a result, the software is well maintained today."

"Our goal is to map as much data as possible through FASTEC. We want to process, optimize, and make it available to as many departments as possible. This already gives us great added value through FASTEC."

*Sebastian Arnold
Deputy Production Manager at
Maintal Konfitüren GmbH*



Outlook:

Further Expanding FASTEC 4 PRO

Next, Maintal will implement a weighing protocol in the MES FASTEC 4 PRO. In addition, the company aims to improve production data acquisition.

Screens on the shop floor will provide even better insight into the data by displaying historical views and averages. Maintal is also including the implementation of the quality assurance module in its future planning.

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