FASTEC
Software for Production

How SI Mass Optimizes
Production Processes with pvaPRO

MASS PRODUCTION GMBH

Quick Overview, Informed Decisions

SI Mass Production GmbH, a manufacturer of school and office supplies made from plastic and paper, uses FASTEC's **pvaPRO** dashboard add-on for a clear and user-friendly visualization of collected data.

By displaying production data graphically, the company not only gains a compact overview of the production status but also quickly identifies patterns and trends at a glance.

SI Mass has been using the MES FASTEC 4 PRO for digital data acquisition for some time and has now also implemented the cloud-native solution pvaPRO.

Results in Focus:

☑ **Faster evaluations** through user-friendly and clear dashboards

☑ **Better decision-making** for management with compact, visual data processing

☑ **Increased efficiency** through digital data acquisition

☑ **Easier monitoring** of production processes through graphical data representation

☑ **Real-time production** status with the status timeline

> *"For quick evaluations at a glance, the graphical dashboard view in pvaPRO is ideal."*

Jörg Grünberg
Externer IT/ERP Consultant at SI Mass Production GmbH

Your Solution Partner for Future Manufacturing

The Challenge:

Inefficient Data Acquisition

VBefore implementing FASTEC 4 PRO, machine data acquisition at SI Mass relied on a manual system.

Employees recorded produced quantities and machine runtimes on paper and later transferred the data into Excel.

A major issue was the inaccuracy of scrap quantity estimates, and reasons for machine downtimes were only rudimentarily documented. This manual method resulted in time-consuming data analysis, which did not provide a reliable basis for informed decision-making.

"Comparisons are always important to me: comparing past values with the current situationand identifying trends to see how we have developed. pvaPRO makes this particularly clear."

Ralf Ketelaer
Geschäftsleiter Technik bei der SI Mass Production GmbH

The Solution:

Digital Data Acquisition and Intelligent Visualization with pvaPRO

SI Mass implemented FASTEC 4 PRO as a modern production data acquisition system to not only increase efficiency but also gain better control over production processes.

pvaPRO serves as a dashboard add-on, allowing production data already collected with FASTEC 4 PRO to be centrally and clearly analyzed in the web-based cloud-native application.

- **Root Cause Analysis:** Collected data includes machine runtimes, shift times, and reasons for machine downtimes. This information helps management quickly identify production bottlenecks and inefficiencies and take appropriate action.

- **Real-Time Monitoring:** The status timeline in pvaPRO is a key tool for SI Mass to monitor production status in real time.

- **User-Friendliness:** The graphical data representation and intuitive dashboards simplify the daily monitoring of production processes. This enables faster problem resolution and better-informed decision-making.

- **Comparability:** Production data from multiple locations is centralized and visualized, making global analysis easier.

The Benefits:

Detailed Overviews of the Production Status

All stakeholders at SI Mass benefit from pvaPRO. The solution provides detailed overviews of the production status and identifies patterns and trends.

- **For Management:**
  The dashboards in pvaPRO are particularly useful for management, providing key information at a glance without the need for in-depth data analysis.
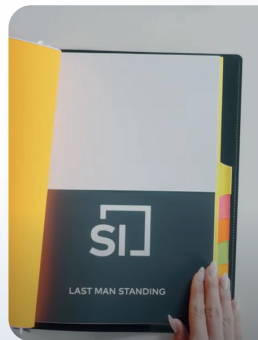
- **For Production Staff:**
  pvaPRO simplifies daily monitoring of production processes within the company. Every morning, the past 8 to 12 hours are reviewed, providing employees with a clear overview of which machines were running, where downtime occurred, and why.

*"In pvaPRO, it's easy for me to get the information I need at the push of a button.
That makes it so interesting for me to work with."*

"The compact, graphical representation of data is particularly valuable for decision-makers."

*Ralf Ketelaer
Geschäftsleiter Technik at
SI Mass Production GmbH*

Outlook:

Further Increasing Efficiency

A key aspect of future planning at SI Mass is the improvement and consistent use of the downtime catalog. The goal is to ensure a comprehensive recording of all downtimes to implement targeted measures for reduction.

In spring 2024, SI Mass also introduced a Lean Management program to optimize production organization. The initiative aims to streamline processes, minimize downtime, and enhance production efficiency.

Do you want to achieve similar results?

FASTEC
Software for Production

pva PRO
Global Manufacturing Management

FASTEC 4 PRO
We Digitalize Factories

smart OEE
MES Made Simple

FASTedge
Reliable Shopfloor Connection

FASTEC services
Enabling Your Digital Journey

Ihr Lösungspartner für die Fabriken der Zukunft

Since 1995, we have been providing intelligent systems for the manufacturing industry, supporting our customers on their path to digital transformation. More than 400 companies worldwide trust us and achieve remarkable optimizations in their production with our MES solutions. Performance, reliability, and partnership define our approach as we help shape the factory of the future.

Our systems are built on one another and are fully integrated. Their modularity and continuous development allow you to expand MES functions at any time, enabling full production digitalization.

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