



User Report

Dalli-Werke GmbH & Co. KG



Contents

WIN AEROSOL GmbH & Co. KG: Saving Time Thanks to Digital Data Acquisition

At WIN AEROSOL GmbH & Co. KG, a subsidiary of DALLI-WERKE GmbH & Co. KG, FASTEC 4 PRO has been introduced on all lines in order to reduce the manual effort involved in data acquisition and its analysis and archiving in reports. Thanks to digital data acquisition, the production manager now saves eight hours a week, which he can devote to other tasks.

Read the success story:

- **Initial situation**
- **Requirements**
- **Solution**
- **Implementation**
- **Outcomes**



Less Effort, More Efficiency

Initial Situation

The dalli group is a sixth-generation family business with a clear focus on the European private label and brand business. In line with its promise of quality, the medium-sized company combines tradition, values and social responsibility with the demands of a high-performance and future-oriented group of companies – and has been doing so for 175 years. The dalli group has six locations, three in Germany, two in the Netherlands and one in Romania. In Germany, the MES FASTEC 4 PRO is in use at the WIN AEROSOL GmbH & Co. KG site in Westerburg.

The dalli group's portfolio includes a wide range of products in the beauty and home care markets. Its customers are retail brands such as drugstores and supermarket chains.

The site in Westerburg is the only one that produces aerosols. These are mainly deodorants and hair sprays. Sun aerosols, i.e. transparent sun protection in cans, are also produced in the seasonal business. Most recently, key production figures were recorded manually and stored in an Excel file.

A few years ago, easyOEE by FASTEC was already used on a trial basis, but the issue of digital data acquisition was then not pursued further. There is a Dalli production system expert (DPS expert) within the dalli group who was tasked with monitoring the production parameters. Initially, he was unable to transparently identify or display losses using manual data acquisition.

As the company had originally decided against digital data acquisition with easyOEE, another, highly complex Excel documentation was first built as a solution in order to analyze the data from production and assign the results to the various aggregates of the production lines. This involved an enormous amount of manual work. Despite many links, data still had to be moved back and forth manually within the Excel file. It became obvious: A lot of time is lost here. The search for a digital solution for data acquisition started all over again.

Goal: Transparent Digital Data Acquisition

Requirements

In their search for a suitable partner for the digitalization project, those in charge remembered the positive experiences they had with easyOEE a few years ago. Based on the Group guidelines, a total of three MES providers were compared and evaluated on the basis of a specification sheet. The primary goal was to get rid of the manual effort involved in manual data acquisition and reporting.

- **Central Aspects of the Specifications:**

- Digital, automated recording of various key figures
- Simple reports with little effort
- Easy, intuitive operation of the software

For WIN AEROSOL GmbH & Co. KG at the Westerburg site, the FASTEC 4 PRO software fulfills all requirements and above all boasts intuitive operation.

"The user interface in the Office Client is very intuitive, and the online help offers extensive information on a wide range of scenarios. It meets all my requirements and I get on very well with it."

"Right from the start, we received excellent support from FASTEC. We also attended the User Forum in Paderborn, where we were able to hear other users' first-hand experiences and exchange ideas, which was very convincing and really helpful!"

"The exchange and communication with FASTEC was always absolutely pleasant, reasonable and professional. You don't get the feeling that you're being talked into something."

Lucas Benten

Team Manager Production, WIN AEROSOL GmbH & Co. KG

Simple, Intuitive Operation

Solution

Our Software:

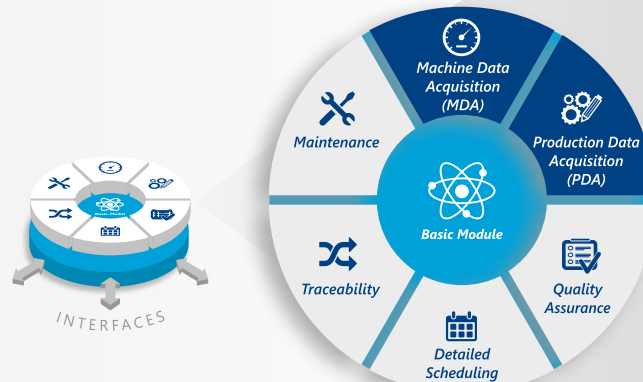
Flexible, Modular, Individually Adaptable

The modular software solution FASTEC 4 PRO supports the optimization of your entire production.

It improves production planning, creates more transparency and regulated processes, provides KPIs, analyses and reports – regardless of industry and flexibly adaptable even to special production processes.

Based on the basic module, the six main modules can be combined according to individual requirements and supplemented by various additional functions. The individual modules access a joint and standardized database.

As a result, consistent data is available at all times – there are no additional interfaces between the modules and no redundant double data storage.



FASTEC 4 PRO at DALLI-WERKE GmbH & Co. KG

Modules Used

- Machine Data Acquisition (MDA)
- Production Data Acquisition (PDA)

Additional Functions

- View Client

Special Features

- All data is recorded via I/O modules on the lines.
- Central key figure: pieces per shift
- Each product is calculated and a calculated price is passed on to the customer with a margin.
- In order to produce the products at the calculated quantities, a cycle per minute, i.e. a number of pieces per minute, is required. Production is measured by this key figure.
- Strong focus on cost savings, less on OEE

Focusing on Cost Savings

Implementation: Gradual Introduction

• Step by Step

At the beginning of the implementation, the software was first commissioned on one line and the remaining lines were added step by step.

One of the main challenges during the introduction was the precise definition of all key figures. The dalli group has a manual that specifies every key figure, every tool and every procedure down to the last detail. This has to be adhered to.

This also means that these requirements had to be implemented in FASTEC 4 PRO, which required a conscientious and detailed approach. Despite the high initial effort, this turned out very well. All of the dalli group's individual wishes were taken into account precisely and the software was customized exactly to the requirements.

• Actively Involve Employees

The new software was immediately well accepted among the employees. As soon as the first line was up and running, they showed great interest. After two weeks, the staff was able to work independently with the workplace monitor thanks to training from the key user. And even those who were initially skeptical were quickly able to put their doubts aside.

The reduction in workload due to the elimination of manual documentation in Excel is an enormous advantage, as the basic data is recorded automatically. For production manager Lucas Benten, the involvement of the employees concerned was particularly important. A feedback round was held after three months. Everyone was able to give their feedback on the software in order to then make further adjustments to the handling or to instruct FASTEC to make small modifications.

• Transparency Throughout All Departments

There are large screens throughout the site showing a dashboard from FASTEC 4 PRO. Production, production control, technology, logistics and quality management can see the current status of all lines and when an order has been completed. In addition, employees in the office are able to carry out reports on KPIs at any time.

All information can be called up in real-time at the touch of a button and then serve as a basis for meetings, for instance.

"My expectations have been met. I can call up various key figures quickly and easily, create my own reports and reach my goal in a variety of ways."

Lucas Benten

Team Manager Production, WIN AEROSOL GmbH & Co. KG

Outcomes

- **How the Production Manager Works**

The first thing to do every morning is to open the dashboard. Like this the current status of production and also what happened yesterday or during the night shift can be checked.

For Lucas Benten, the production and output quantities are particularly relevant here. Based on this data, the first meeting is held an hour after the shift starts to discuss the figures and analyze losses in more detail. Similar content is then discussed further in a meeting with the management team.

The dashboard with the current data from production always serves as the basis for discussion. This means that the next steps can be discussed at any time on the basis of facts. Daily, weekly and monthly reports are also created based on the data. Monthly meetings are held to analyze where the main losses are occurring. These are prioritized and measures are developed to counteract losses.

- **Result: Time Savings of Eight Hours / Week**



The production manager spent almost two hours a day collecting, analyzing and archiving data from the production lines. Additional hours were spent on the weekly and monthly analyses. Time that is very valuable as a production manager and can be invested more effectively in other activities.

This time saving through digital data acquisition with FASTEC 4 PRO is the biggest leverage at WIN AEROSOL: the production manager saves 8 hours per week!

Thanks to the standardized database in production, everyone knows the current status and upcoming order changes or the need to replenish stock depots. This makes processes smoother, which leads to increased efficiency in production in the long term.

- **Facts Replace Gut Feeling**

Without a transparent database, it is almost impossible to uncover potential in production. At WIN AEROSOL, too, potentials for the output quantity came to light that were previously unknown. Several minutes were regularly wasted during shift changes, which would have meant enormous increases in productivity with more efficient processes.

The recording of downtimes was also adapted over time. Initially, five minutes of production downtime were tolerated until an unspecified fault was triggered in the system. Today, the system goes much deeper in order to record downtimes more accurately. This allows a clear indication of the loss of performance and makes it easier to assign downtimes to their origin.

Before, everything that was not recorded and documented manually was outside of consciousness. It simply didn't happen. Today, only the production manager has the authorization to change a shutdown back to the status of active production. FASTEC 4 PRO is therefore a very honest and transparent database.

Uncovering Potential

Outcomes and Recommendations

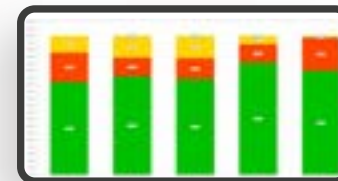
"The greatest benefit is that I can call up various key figures with just a few mouse clicks."

"I recommend using easyOEE to analyze the potential in production at a plant. Other than that, I would also recommend anyone who is interested to attend the biannual user forum and the pre-event. At the evening pre-event, you can talk to other users of the software and they can tell you how they work with the software in practice. It can also be very helpful to visit other FASTEC customers for references."

"We discovered things that we weren't aware of before. I didn't realize how much potential there was to increase output by just a few minutes during shift changes. We only became aware of this thanks to the documented downtimes."

Lucas Benten

Teamleiter Produktion, WIN AEROSOL GmbH & Co. KG



Dashboard Lines, Workplace Monitoring and OEE Detailed Evaluation

Cooperation Based on Partnership

Why Not Get to Know Us Personally?

Production companies must produce on time, in a traceable, flexible and customer-specific manner, while ensuring consistently high quality. Achieving these goals requires transparency through real-time information, good planning and quick and adequate reactions to deviations. Our Manufacturing Execution System (MES) FASTEC 4 PRO is the right tool for this purpose. With great success since 1995.

We would also like to give you a good advice personally!

Our sales department will be happy to provide you with further user reports and information material! Or else, make an appointment with our sales department for a presentation at your location, in our company or via web. Of course, you can also experience FASTEC 4 PRO live and on site with our customers.

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Additionally, we offer videos of our software and customer solutions in our YouTube channel:


www.youtube.com/FASTECGmbH

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With FASTEC 4 PRO, you gain the necessary level of transparency in all areas of production in real time, enabling you to discover previously unused potential for increasing productivity and optimizing processes. Thanks to targeted planning, you can also respond to short-term requirements from sales and efficiently design production processes – traceable and documented.

FASTEC 4 PRO

- Get transparent data in real time
- Reduce production costs
- Detect and eliminate weak points
- Develop high productivity potentials
- Benefit from the continuous flow of information
- Use available resources efficiently

 **As a data hub, FASTEC 4 PRO is essential on the way to the Smart Factory.**