



Success in digital production thanks to MES

User Report

Sartorius Stedim Plastics

SARTORIUS

Initial Situation

Sartorius Stedim Plastics GmbH (formerly toha plast GmbH) in Göttingen has been an established manufacturer of plastic components for the biotechnology and medical industries for almost 40 years. With around 120 employees, sterile test systems, skin staplers and way above 120 million injection molded

articles are produced at the Göttingen site at approximately 80 clean room workstations each year. Since the integration into the Sartorius Stedim Bio-tech Group in 2007, a much more differentiated reporting is necessary, which also extends into the production area.



SARTORIUS

"The possibility to try out a similar system with the productivity measuring device easyOEE with little effort and costs and thus to get to know FASTEC better contributed to the decision in favor of FASTEC."

Thomas Gerling
Head of Injection Molding
Sartorius Stedim Plastics, Göttingen

Differentiated Reporting at Production Level

The Decisive Arguments: Flexible, Modular, Expandable

The decisive arguments for FASTEC 4 PRO were the combination of flexibility, modularity and expandability, strengthened by the productivity measuring device easyOEE to gain initial experience with FASTEC.

“Thanks to the simple system operation, it was accepted by the machine operators very quickly and thus delivered results promptly.”

Thomas Gerling
Head of Injection Molding
Sartorius Stedim Plastics, Göttingen

- **In Search of a Suitable MES System**

In 2008, the company began searching for a suitable system for machine data acquisition. Some providers were invited to give presentations. It quickly became apparent that the MES system (Manufacturing Execution System) FASTEC 4 PRO met all requirements for flexibility, modularity and expandability.

“The possibility to initially try out a similar system with the productivity measuring device easyOEE with little effort and at low cost and thus, getting to know FASTEC better, also contributed to the decision in favor of FASTEC,” says Thomas Gerling, Head of Injection Molding at Sartorius Stedim Plastics in Göttingen.

In August 2008, FASTEC 4 PRO was installed on approximately 30 plastic injection molding machines in two clean rooms.

- **Installation and Commissioning**

Sartorius was particularly impressed by the modular I/O system, which could be precisely adapted to the difficult conditions in the clean rooms and thus drastically reduced hardware and wiring costs.

The complete installation of the software was carried out in advance by remote maintenance from Paderborn, the headquarters of FASTEC.

The main focus during the on-site deployment was on optimization and training, so that within two days, a system adapted to the needs of Sartorius could be handed over. Thanks to its ease of use, the system was accepted by the machine operators very quickly.

Simple Operation, Prompt Results

Flexible MES Is up to the Changing Requirements

- **From Test Operation to Irreplaceable Measuring Instrument**

Since the determined OEE key figures have to be transmitted to the corporate headquarters on a monthly basis, the system was tested for three months to ensure that the determined values were correct. This phase was also used to make employees aware of the importance of the system and thus increase the quality of the data entered. The system was put into productive operation on January 1st, 2009 and has served as an irreplaceable measuring instrument ever since.

“The determination of production figures is an irreplaceable measuring instrument for optimizing production.”

Thomas Gerling
Head of Injection Molding
Sartorius Stedim Plastics, Göttingen

- **The Situation is Changing – the MES Adapts**

Since then, the MES has been continuously expanded. In addition to further injection molding machines (SGM), twelve manual workstations are now also integrated in FASTEC 4 PRO.

Due to the positive experiences and the simple operation of the MES system, the decision to also integrate additional label printing was made after a short time. The goal was to automate the buggy and error-prone manual printing of bag and carton labels and to implement an automatic posting of inventories in the existing PPS system. For this purpose, three additional terminals and three printers were purchased and installed in the cleanroom airlocks. FASTEC implemented the resulting customer-specific requirements quickly and smoothly within the agreed project budget.

Since installation, the rate of incorrectly labelled bags or cartons has decreased considerably. In addition, the simplified handling in the logistics area accounts for the released labor capacity of one person.



All important OEE key figures at a glance at any time and clearly arranged.



OEE Key Figures at a Glance at All Times

Conclusion: More Time for Further Projects Thanks to MES

• The Next Steps With FASTEC 4 PRO

For the future, there are plans to further expand the MES FASTEC 4 PRO. Sartorius is already thinking about using the Detailed Scheduling and Maintenance modules.

“The seamless integration of the maintenance tool with the planning process is of course particularly appealing to us as injection molders. In this way, you can see where the tools are at any time, what their status is and when they will be available for production again after a repair.”

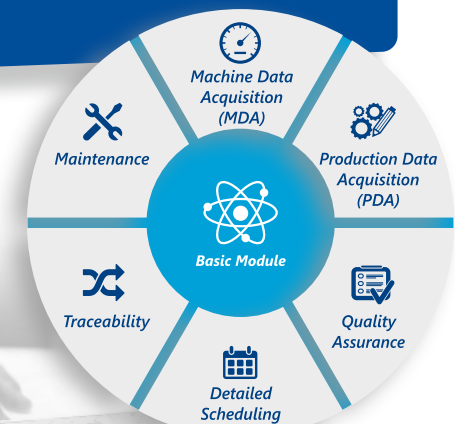
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Overview:

Industry: Medical/Pharmaceuticals

MES system FASTEC 4 PRO with the modules:

- Integration of 36 SGMs and 12 manual workstations via WLAN and Ethernet
- Electronic machine logbook
- ERP interface for order acceptance and confirmation
- Production order management
- Alerting with escalation management
- Freely configurable monitoring
- Machine Data Acquisition (MDA)
- Label printing



Time Saving & Transparency

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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Gold
Microsoft Partner


SAP
Silver
Partner

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.**