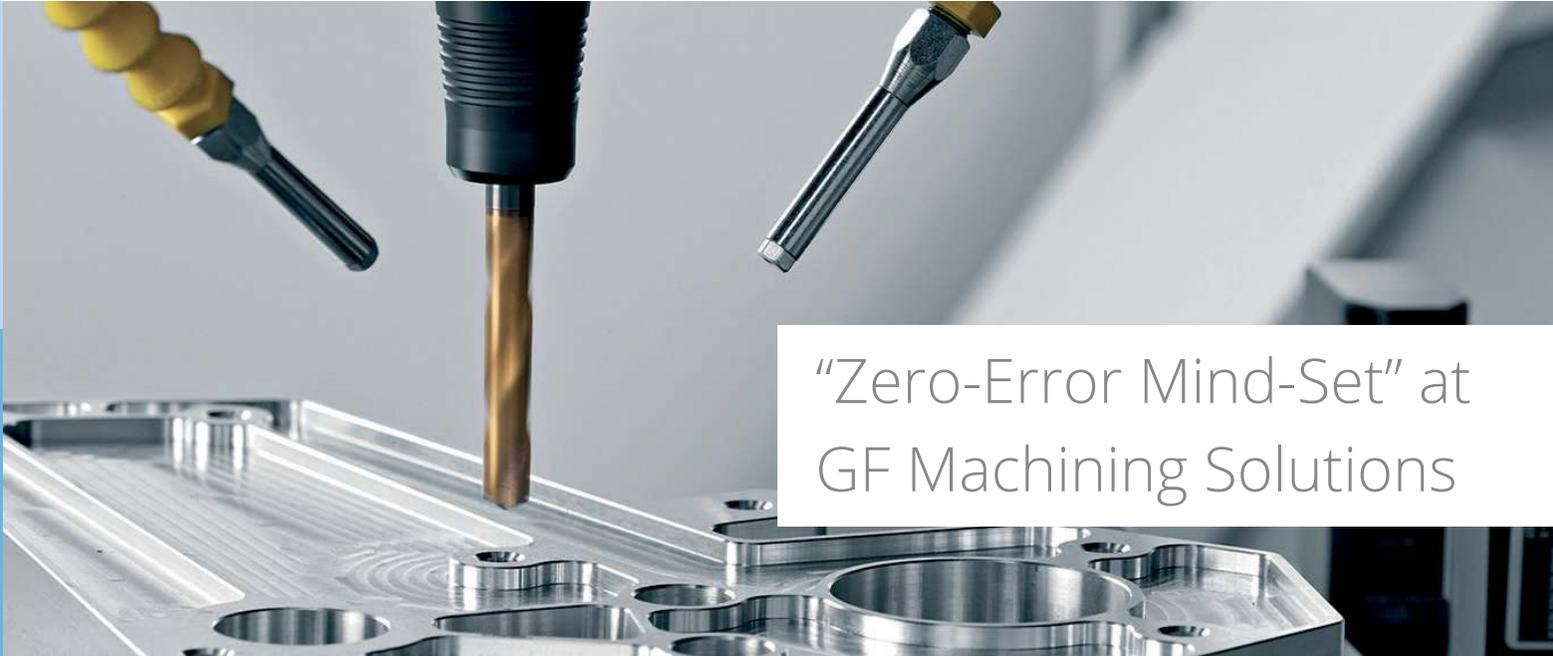


Diso AG expert interview with: Georg Fischer Machining Solutions



“Zero-Error Mind-Set” at
GF Machining Solutions

**Andreas Bandi, Industrialisation Manager at GF Machining Solutions
in an interview with Ursula Moonen, Diso AG, in January 2017**



GF Machining Solutions works according to the “Zero-Error Mind-Set” which corresponds to the Comprehensive Production System. The sense and purpose of this system is to avoid the passing-on of the errors that have been created to the following work steps. Thus, the product and process quality is inevitably improved.

Mr. Andreas Bandi (Industrial Manager at GF Machining Solutions at the Nidau factory) describes in an interview with Ms. Ursula Moonen (Sales & Marketing at Diso AG) how the LeanLogic QA software solution will support GF Machining Solutions AG to reduce the error rate and increase speed.

At the Nidau factory of GF Machining Solutions, approx. 400 high-speed and high-performance milling machines are produced per year which are used worldwide in mould and tool construction as well as for the production of precision parts.

„One of our core competences consists of innovative customer-specific machine solutions. More and more customers want specific special solutions. For certain machine models, the percentage of special solutions is already at 30 - 60% of the machines being produced. This trend is increasing”, Mr. Bandi explains.

At GF Machining Solutions, machine production is done on a synchronised assembly line based upon the principles of lean production. Each work step is logged by the assembly line workers. At the end of the synchronised assembly line, a «Q-Gate» is implemented. The employee uses a checklist to check his work and sends the machine to the employee at the next stage of the synchronised assembly line. Based upon the “four-eye principle”, this employee once again checks the work that has been done by his colleague. Moreover, all checks and measurements of the commissioning, geometric checks and functio-

nal tests are logged. Per machine, far more than 1,000 individual points are measured or logged. „Until the introduction of the paperless web application LeanLogic QA in December 2016, we printed out one folder per machine for the assembly line documentation which had up to 180 pages“, according to Mr. Bandi.

The LeanLogic QA solution enables GF Machining Solutions to create electronically configured production documentation very quickly and easily which contains only the respective options of the machine. Multiple persons can simultaneously retrieve information in the value-creation process and log work steps or record measurements. The scanning of the paper documentation that has been filled out is now finally a thing of the past. The paper consumption is thus reduced immensely.



Andreas Bandi
Industrial Manager at GF Machining
Solutions at the Nidau factory)

„The web-based quality assurance solution LeanLogic QA precisely fulfils our requirements in order to continue to reduce the error rate. All processes are transparent and traceable. For example, we quickly see the current status and can create automated evaluations of all entries. Our quality becomes

more transparent and our focus is focussed even more on our processes and our quality.

One part of the success of this solution is also based upon the cooperation and the knowledge of Hanspeter Lüdi (LEANLOGIC AG) who comes from the ranks of GFMS and speaks our language, so to speak. The cooperation with him and the Diso developers will help us to attain substantially more progress in order to achieve our Strategy 2020 goals – the “paperless” synchronised assembly line process“, Mr. Bandi emphasises.

The LeanLogic QA electronic production documentation is introduced in a graduated manner. This gives the employees the opportunity to successively familiarise themselves with the new technology.

„We think that we thus can continue to increase the employees’ acceptance. During the test phase, it was good to very good“, Mr. Bandi reports. „Our goal is that, by September 2017, LeanLogic QA will be introduced on all our machine models.“

In the coming years, the LeanLogic QA solution will be rolled out in other production sites of the GFMS Group and interfaces to SAP, measuring machines and industry-specific solutions will be realised. The software solution will be “a forerunner” for more complex products and processes.

Additional future scenarios for the use of the LeanLogic QA solution at GF Machining Solutions will be the use by the GFMS Customer Service. The engineers are supposed to be able to implement the commissioning of the machine on-site at the customer’s with LeanLogic QA and be able to access all information from the factory. Long-term ideas even focus on the GF customers being able to use the application as a diagnostic tool.



GF Machining Solutions

The diverse offerings of GF Machining Solutions AG encompass machines for tool and mould construction as well as solutions for the production of precision parts in the areas of milling, eroding, laser ablation and automation, e.g. for the automobile industry, the medical and dental industry as well as for the electrical industry.

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Diso AG

The Swiss Data and Cloud Expert Diso AG is a renowned IT service provider and a long-standing Oracle distribution partner in Switzerland with focus on databases and cloud solutions. Diso’s customers benefit from the complete solution offering featuring planning, integration, support, operation, and monitoring of IT infrastructures and database systems. In the field of software engineering, Diso develops tailor-made IT and software solutions for company-specific applications.

The efficient web application LeanLogic QA is being jointly developed and sold by LEANLOGIC AG and Diso AG. It was specially developed for machine construction and structures all instructions, operational plans and quality standards in one database - absolutely transparent and traceable.

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