

FORUM FOR PROFESSIONALS

May 29 and 30, 2018

Agile – is flexible not enough?

Mastering the manufacturing challenge of small batches and high volumes in combination.

NO MORE LIMITS!





Welcome to the Forum for Professionals and Open House 2018 in Issum.

Agile – is flexible not enough?

Mastering the manufacturing challenge of small batches and high volumes in combination.

How this claim can be implemented in a manufacturing system will be discussed at OPEN HOUSE 2018.

Be there! Learn from experts with extensive practical experience, and listen to exciting presentations.

The event is completed by an exhibition program featuring technical innovations.

Production only creates added value, when it's running.

Fastems is the leading independent manufacturer of systems for the factory automation and has set itself the goal of improving the competitive environment, the ability of its customers to increase through automation.

This goal is achieved by creating the conditions for the customer to get the maximum out of 8,760 possible production hours per year.

Fastems are known for their flexible manufacturing systems (FMS), robot-supported automation solutions, software for production control, gantry and interlinking systems as well as for its comprehensive range of services.



The Agenda for 29th and 30th May 2018

Venue

Fastems Systems GmbH, Gewerbering 5, D-47661 Issum



09:00

Introduction expert event "Agile - is flexible not enough?"

Heikki Hallila (CEO, Fastems Systems)



09:15

Instigation for agile thinking in modern mechanical engineering

Hon.-Prof. Dr.-Ing. Lars Vollmer



10:00

Short break

30 minutes for networking



10:30

Human centric transformation for agile

Tomas Hedenborg (CEO, Fastems Group)



11:00

Summary and discussion

Tomas Hedenborg (Moderation: Johannes Louven)



11:15

Break for lunch

Time for a lunch snack



13:00

Case: New engine block machining line, Agility is key for success

Ville Yli-Jama (Manufacturing Manager, AGCO Power Inc)



13:30

Flexible clamping systems: Key to agile production

Victor Chuman (Development and Design, Allmatic)



14:00

Short break

10 minuten for networking



14:10

Set-up Time Minimizing - Effective concepts for automated machine loading

Philipp Zuber (Product Marketing Manager, Schunk)



14:40

Summary and discussion between all speakers

(Moderation: Johannes Louven)



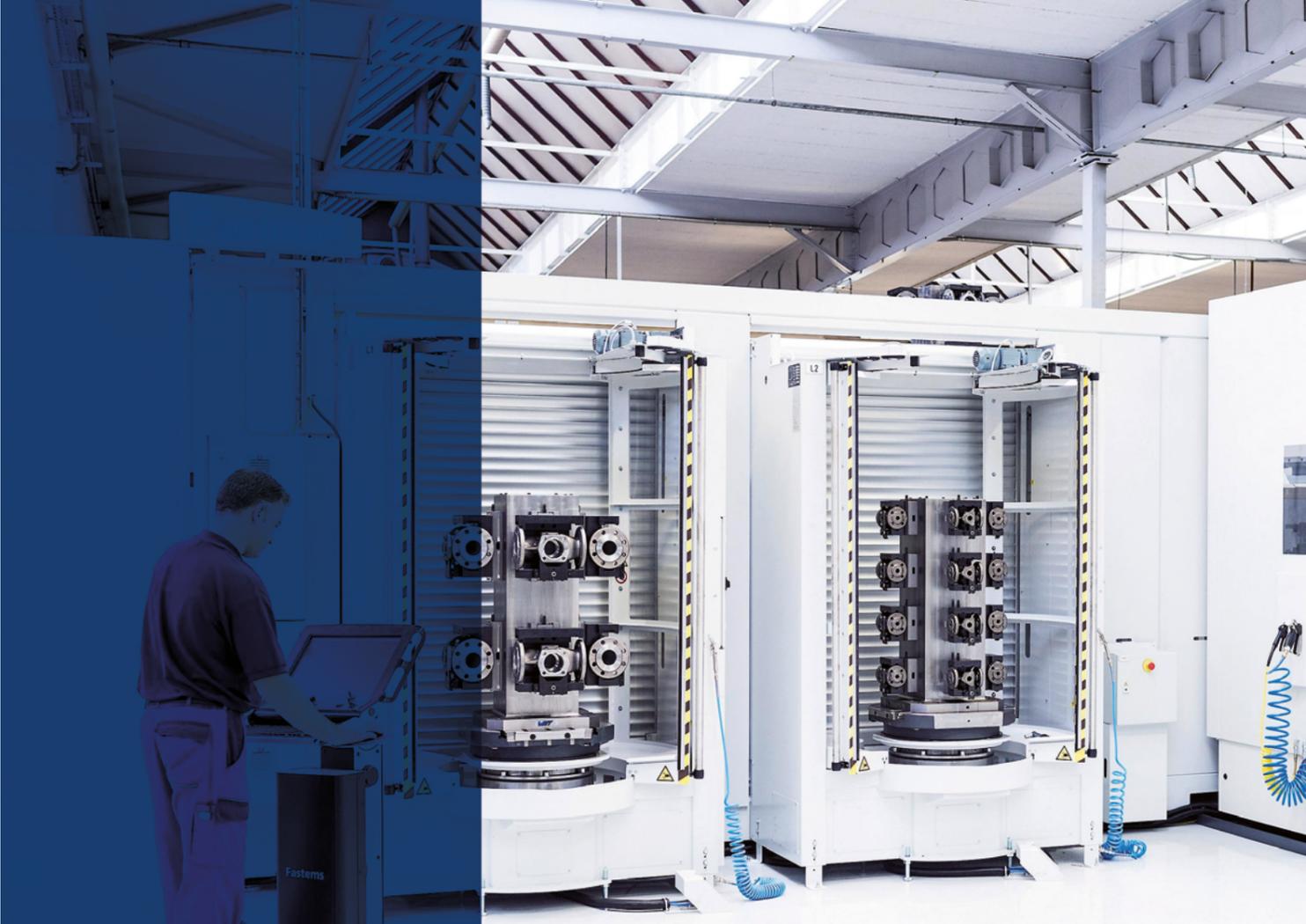
15:00

Exhibition only

Enough time to visit our co-exhibitors

17:00

End of the event



Agile production is the economic response to the increasing complexity of production and decreasing lot sizes up to 1 in metal-cutting production. In this context agile manufacturing is not considered to be a specific hardware solution but rather as a future-oriented production strategy.

Agility in theory and practice. From experts for users. A very special event.

Agile production requires agile hardware. Discover at Fastems Systems GmbH in Issum systems which are able to flexibly adapt to the respective production requirements. Systems which are easily modifiable and scalable as well to react quickly to changing requirements.

Learn more about why Fastems Manufacturing Management Software (MMS), as a overall system intelligence, plays a central role in agile manufacturing.



ALLMATIC – Jakob offers the perfect product for every application - from high pressure clamping systems for conventional milling machines to complex clamping solutions for flexible machining centers. To be able to offer you the most practical solutions, we keep a very keen eye on the market and its innovations. The fact that ALLMATIC is one of the world's leading suppliers of clamping solutions hinges on the exacting demands we impose on ourselves and our products.



The **FANUC Corporation** is one of the worldwide leaders in factory automation for CNC control systems, robots and production machinery (ROBODRILL, ROBOCUT and ROBOSHOT). Since 1956, FANUC is the pioneer in the development of numerically controlled machines in the automation industry. With more than 252 FANUC subsidiaries worldwide and more than 6,500 employees, FANUC offers a dense network in sales, technical support, research & development, logistics and customer service.



HALTER CNC Automation is the supplier of the HALTER LoadAssistant; a robot that loads and unloads all makes and models of CNC turning and milling machines. The HALTER LoadAssistant was developed in partnership with the Fastems Group and is based on more than 25 years of experience in the CNC machining world. The HALTER LoadAssistant is loading robot that can be set up for a completely new product series in less than 5 minutes without any programming know-how. Not only does it increase the spindle hours, it also optimizes the ease of operation and efficiency.



The **DR. JOHANNES HEIDENHAIN GmbH** develops and manufactures linear and angle encoders, rotary position transducers, position displays and numeric controls for sophisticated positioning tasks. HEIDENHAIN products are used primarily in highly precise tooling machines, in the automation of systems and production machines, in semiconductor and electronics manufacturing as well as metrology and quality assurance. Moreover, HEIDENHAIN offers connected machining solutions for custom tailored and intelligent production networking with all manufacturing accompanying departments within the company.



The **KUKA Group** is an internationally engaged automation group that generates annual sales of approximately EUR 3 billion and employs a workforce of around 13,200. As one of the world's leading suppliers of intelligent automation solutions, KUKA offers customers everything they need from a single source: From the component to the cell to the fully automated system; serving sectors such as the automotive, electronics, consumer goods, metal processing, logistics, E-commerce, healthcare and service robotics industry. The group is headquartered in Augsburg, Germany.

OK-VISE products are used in workholding in machining centers and milling machines. The core of our business are OK-VISE low-profile clamps – the smallest and strongest on the market - complemented by the OK-VISE Fixturing Concept. OK-VISE Fixturing Concept features a range of components for pallet handling and workpiece handling systems.



SCHUNK is the competency leader in the grabber system and clamping technology industry. Close to 3,000 employees in nine plants and at 33 company-owned national companies ensure an intense presence in the market. Our grabber system and clamping technology portfolio comprises more than 11,000 standard components, which makes this the largest assortment available from a single source. Since 2012, the legendary soccer goalkeeper Jens Lehmann has been the brand ambassador for secure, precise grabbing and holding.



SICK is one of the world's leading manufacturers of sensors and sensor solutions for industrial applications. The company, which was founded in 1946 by Dr.-Ing. e. h. Erwin Sick is domiciled in Waldkirch, Germany. It is considered a technology and market leader and boasts a worldwide presence thanks boasting more than 50 subsidiaries, partially owned companies as well as numerous agencies. In fiscal year 2016, SICK's global workforce comprised more than 8,000 employees and generated group revenues of close to EUR 1.4 billion.



SMW-AUTOBLOK is the technology leader in the rotating and stationary clamping technology for workpieces sector. The company does business around the globe and operates two ultra-modern production sites in Meckenbeuren/Germany and Caprie/Italy. SMW-AUTOBLOK maintains a global distribution and service network in more than 50 countries. The newly developed high-tech products require minimal maintenance, are set-up time optimized and most of them are Industry 4.0-compatible or suitable for the automation of machining processes.



Tübingen-based **TDM Systems GmbH** has been the leading provider in Tool Data Management for the metal cutting industry for over 25 years. With the Tool Lifecycle Management strategy, TDM Systems is focusing specifically on process optimization through optimal tool planning and provisioning. Creating and editing tool data and graphics, integrating tool expertise and 3D graphics into the CAM engineering, as well as organizing the complete tool cycle at the shop floor level are the three core competencies of TDM Systems and are the pillars of the TLM strategy. As a center of excellence within the Sandvik Group, TDM Systems draws on the experience of various tool manufacturers when developing its software products.



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