

DMG MORI invests in AI-based software solutions for the manufacturing environment

Digitizing the manufacturing process with up2parts

Bielefeld // With a strategic stake in the Bavarian software company up2parts, which specializes in artificial intelligence, DMG MORI plans to acquire important know-how in the field of digitized manufacturing processes. up2parts' AI-based geometric work piece analysis makes it easy and quick to generate work plans and price calculations for individual work pieces – a digital revolution for the manufacturing industry.

“The AI-supported software solutions by up2parts create the basis for digital manufacturing. 3D construction data can now be captured quickly and runtime calculations are possible in a short time. A huge advantage for our mainly mid-sized customers: processes that have been unorganized until now get unified and professionalized,” says Christian Thönes, Chairman of the Executive Board of DMG MORI AKTIENGESELLSCHAFT.

“DMG MORI will be a partner that gives us access to the international market. In addition, as a start-up we are flexible to develop. We offer complete AI-based and automated value chain processes to manufacturing companies – starting from a batch size of 1,” says Marco Bauer, Managing Director of BAM GmbH, from which up2parts emerges. Already since 2017, 25 software developers are working on AI-solutions for integrated, automated and professional manufacturing processes. The number of employees is planned to double in the short run.

up2parts enhances DMG MORI's digital solutions portfolio. The focus here is on AI-based optimization and acceleration of procurement and manufacturing processes: from quotation and order entry through work preparation and CAM programming to machine planning. The core of the software solution is artificial intelligence, which analyzes the geometry of each component within seconds on the basis of machine learning algorithms and human know-how. The result is a concrete work plan and the price for manufacturing the component. With each component, the AI "learns", independently and continuously optimizing its algorithms.

DMG MORI and up2parts have their first joint presentation at the EMO in Hanover. The stake is subject to the approval of the antitrust authorities.

DMG MORI AKTIENGESELLSCHAFT
The Executive Board

Company Profile // DMG MORI

DMG MORI AKTIENGESELLSCHAFT is a worldwide leading manufacturer of machine tools with sales revenues of more than € 2.6 billion and around 7,500 employees. As "Global One Company" – together with DMG MORI COMPANY LIMITED – we reach sales revenues of more than € 3.8 billion.

Our integrated technology and automation solutions cover turning and milling machines, as well as Advanced Technologies, ULTRASONIC, LASERTEC and ADDITIVE MANUFACTURING. With our CELOS apps, exclusive Technology Cycles and Powertools, we offer an easy, fast and scalable entry into digital production. The modular ISTOS and WERKBLiQ products further facilitate consistent digitization of the entire process chain: from the planning and preparatory work to production and monitoring to service. The open, manufacturer-independent ADAMOS IoT platform rounds off the product range for a digital factory.

Our technology excellence is bundled within the main sectors of "Aerospace", "Automotive", "Die & Mold", and "Medical". Our partner program "DMG MORI Qualified Products" (DMQP) allows us to offer perfectly matched peripheral products from a single source. Our customer-focused services covering the entire life cycle of a machine tool include training, repair, maintenance and spare parts service.

More than 12,000 employees work for the "Global One Company". With 157 sales and service locations – thereof 14 production plants – we are present worldwide and deliver to more than 100,000 customers from 42 industries in 79 countries.

Company Profile // up2parts

AI-Driven Manufacturing – that is the motivation of up2parts. The software company up2parts from the Bavarian town of Weiden specializes in the development of cloud-based AI applications in the manufacturing and mechanical engineering sectors.

up2parts emerges from BAM GmbH and combines software and manufacturing expertise in a unique way. BAM manufactures metal and plastic components with the tightest tolerances, from prototypes to mass production, for laboratory equipment, sensor applications and rail vehicles, among others. BAM was founded in 2011 and employs more than 150 people. As a pioneer in digitization, the company was awarded the "Digital Champions Award" by Deutsche Telekom in 2018 and, as a "TOP Innovator", was one of the 100 most innovative medium-sized companies in Germany. Focus Business magazine named the company "Growth Champion" in 2018 and 2019.