

Dispensing Technology – Enabler of Digital Transformation

RAMPF Production Systems develops universal user interface for intelligent production facilities

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Zimmern o. R., Germany, August 12, 2019. RAMPF Production Systems has developed a new, universal user interface for dispensing systems and robots. The easy-to-use tool forms a key component in the digital strategies of manufacturing companies.



The digitalization and associated automation of production facilities are in full swing – and yet this is only the beginning. After all, we have by no means fully grasped, let alone exhausted, the potential of digital technologies to boost the efficiency, speed, and reliability of manufacturing processes.

With that in mind, RAMPF Production Systems has developed a new, universal user interface for dispensing systems and robots. “For manufacturing companies, this innovative tool forms an integral part of their digital strategy,” says Hartmut Storz, CEO of RAMPF Production Systems.

At the heart of the system are control solutions from Beckhoff Automation and Siemens. The software and hardware communicate via OPC Unified Architecture (OPC UA), which creates a comprehensive human-machine interface (HMI) that can be used with all RAMPF dispensing systems and robots.

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The RAMPF HMI also serves as the basis for developing customer-specific HMI elements. This enables modular design and ensures reusability, thus significantly reducing the time and effort programmers have to invest on-site in customers' projects.

Using this interface ensures systems can be connected to all standard mobile devices regardless of the platform, and the responsive design allows for universally adapted visualization, ensuring easy operation at all times. At the same time, the low number of user levels makes for a simple, intuitive, and easy-to-navigate operating concept.

Alexander Huttenlocher, Director of Sales & Marketing at RAMPF Production Systems – “The new user interface is designed to support our customers' digital transformation process and directly contribute to the optimization of their manufacturing processes. What's more, we're creating the ideal basis for handling future issues, such as flexible factories and predictive maintenance.”

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RAMPF Production Systems GmbH & Co. KG develops and produces mixing and dispensing systems for sealing, casting, and bonding a wide variety of materials. The company also offers a wide range of automation skills relating to all aspects of process engineering.

With its more than 3,000 systems solutions on the market, RAMPF Production Systems, based in Zimmern o. R., Germany, is one of the world's leading suppliers of innovative systems for processing single, dual, and multi-component reactive resin systems.

In addition to the core competence of mixing and dispensing technology, customers are provided with a broad range of automation and conveyor systems for internal logistics, additional assembly and joining technology, as well as logistic and quality assurance solutions. The customer-specific solutions also include the integration of testing and measuring technology into production facilities to safeguard production processes.

This added value enables RAMPF Production Systems to supply its customers with holistic system solutions for their production facilities.

RAMPF Production Systems is a company of the international **RAMPF Group** based in Grafenberg, Germany.

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