

Dispensing Technology & Automation Concepts for Best Bonding Processes

RAMPF Production Systems at Bondexpo 2019 –
Hall 6 / Booth 6403

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Zimmern ob Rottweil, September 26, 2019. RAMPF Production Systems is presenting its cutting-edge dispensing technology and holistic automation concepts at the Bondexpo trade fair from October 7 - 10, 2019, in Stuttgart – Hall 6 / Booth 6403.

Adhesive applications are omnipresent in almost every industry. With mixing and dispensing systems from RAMPF Production Systems, all types of multi-component adhesives are processed into precisely reacting products and applied to the joints. For improved adhesion, the joints can be activated beforehand, e.g. by plasma. The joining process is carried out manually or automatically, the crosslinking process occurs under defined conditions.

Static or dynamic mixing technology guarantees top reactivity (even for viscous adhesives), integrated surface activation provides for best adhesion, and intelligent joining tools facilitate fast curing and ultrafast workflows.

In addition to its core competence of mixing and dispensing technology, RAMPF Production Systems provides product-specific automation concepts that include, amongst others, handling and robotics, integrated parts transport, control technology, and the recording of all process parameters with MES connection. Constructing tools and equipment, heat treatment, image processing and sensors, and contactless measuring technology are also part of the company's process automation portfolio.

“As a specialist in the automation of production systems with integrated dispensing technology, we offer our customers holistic solutions. In today's market environment, where fast and highly flexible production processes are a must, this is a decisive competitive advantage,” says Alexander Huttenlocher, Director of Sales & Marketing at RAMPF Production Systems. “A higher-level control of the entire system also contributes to this as an important building block for the digital strategy of manufacturing companies.”

Live at the RAMPF booth – the dispensing system DC-CNC800

The DC-CNC800 dispensing system provides the best combination of dynamics and flexibility. The compact machine features a built-in material preparation unit and can be fitted with high-precision piston or gear pumps. A CNC Siemens Sinumerik control system and Beckhoff control technology are available for modular control. A further advantage is the integrated process monitoring that oversees pressures, fill levels, and speeds.

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The DC-CNC800 can be fitted with a high-pressure rinse agent recycling system, high-pressure water rinsing, various application-specific automation systems, and the MS-C mixing system for dispensing rates of 0.1 g/sec and above.

Its large tanks facilitate the filling of small containers in a single step. Additional features include standardized operating concepts for shuttle table, rotary index plate, and conveyor feed, together with vacuum barrel presses. Accessibility has been optimized for maintenance work on the piston or gear pumps and controls.



Live in action at Bondexpo 2019: the compact dispensing system DC-CNC800 RAMPF Production Systems.

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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 ob Rottweil, 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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