

RAMPF – High-performance Solutions for the Electronics Industry

productronica 2019: Production systems with integrated dispensing technology / Electro casting resins based on silicone, polyurethane, and epoxy

© RAMPF Holding GmbH & Co. KG

Page 1 of 3

Grafenberg, Germany, November 4, 2019. The international RAMPF Group is showcasing high-performance dispensing systems and electro casting resins with outstanding thermal conductivity at productronica 2019 in Munich, November 12 - 15, in Hall A3 / Booth 241.

RAMPF Production Systems and RAMPF Polymer Solutions are representing the RAMPF Group at this year's productronica, the world's leading trade fair for electronics development and manufacturing. The two companies stand for first-class process technology and materials for electrical and electronic components.

RAMPF Production Systems, global market leader for production systems with integrated dispensing technology, is showcasing:

- > DR-CNC dispensing system with Beckhoff control system. State-of-the-art control technology means the DR-CNC combines a mixing and dispensing system with maintenance-free CNC linear axes. The result is a perfect interplay of dispensing process and motion sequences – live in action at the RAMPF booth, featuring a foam application combined with optical systems.
- > DC-CNC800 compact dispensing system with Siemens control system. This is the first choice for 2D- or 3D-application of casting, sealing, and adhesive systems. It is also the ideal solution for those users who need a compact machine structure without wishing to compromise in terms of control technology.
- > Universal user interface for dispensing systems and robots. The user-friendly tool ensures perfect communication between software and hardware and thus boosts the efficiency, speed, and reliability of production processes.
- > Modular microwave technology for ultra-fast curing and processing times when mixing and dispensing sealing systems, adhesives, and casting materials.



With its new user interface for dispensing systems and robots, RAMPF Production Systems is supporting its customers' digital transformation and helping optimize their manufacturing processes.

RAMPF – High-performance Solutions for the Electronics Industry

productronica 2019: Production systems with integrated dispensing technology /
Electro casting resins based on silicone, polyurethane, and epoxy

RAMPF Polymer Solutions, expert in pioneering reactive resin systems based on polyurethane, epoxy, and silicone, is showcasing electro casting resins for electrical and electronic components in the automotive, electrical/electronics, energy, automation, and household industries.

In the spotlight are electro casting resins with particularly high thermal conductivity. As the power density of components in electronic parts continues to increase, the thermal conductivity of the electro casting resin has to be high enough to ensure efficient heat dissipation and low thermal load.

Jean-Michel Pouillaude, Key Technology Manager Electrocasting – “The outstanding thermal conductivity of resin systems from RAMPF Polymer Solutions ensures heat is dissipated efficiently from the parts while also maintaining the required mechanical flexibility.”



Electro casting resins from RAMPF Polymer Solutions provide sensitive electrical and electronic components with reliable and efficient protection against chemical substances and environmental influences such as heat, cold, and moisture. They therefore ensure the parts' better performance, longer service lives, and greater cost-efficiency.

RAMPF – High-performance Solutions for the Electronics Industry

productronica 2019: Production systems with integrated dispensing technology /
Electro casting resins based on silicone, polyurethane, and epoxy

www.rampf-group.com



The RAMPF Group stands for **engineering and chemical solutions** and caters to the economic and ecological needs of industry.

The range of competencies includes:

- > production and recycling of **materials** for modeling, lightweight construction, bonding, and protection;
- > technical **production systems** for precise, dynamic positioning and automation, as well as technologies for complex composite parts production;
- > comprehensive range of **solutions and services**, particularly for innovative customer-specific requirements.

With this know-how, RAMPF helps its customers to achieve profitable and sustainable growth.

The Group secures its presence on the international markets with more than 900 employees and six core competencies:

- > **RAMPF Machine Systems** based in Wangen (Göppingen), Germany, develops and produces multi-axis positioning and moving systems, trunk machines, and basic machines based on high-precision machine beds and machine bed components made from alternative materials.
- > **RAMPF Production Systems** based in Zimmern o. R., Germany, develops and produces mixing and dispensing systems for bonding, sealing, foaming, and casting a wide variety of materials. The company also offers a wide range of automation skills relating to all aspects of process engineering.
- > **RAMPF Composite Solutions** based in Burlington, Ontario, Canada, is a holistic composites supplier to companies in the aerospace and medical industries. The company offers a complete suite of services including composite part design and engineering, metal-to-composite conversion engineering, and composite manufacturing to very tight tolerances.
- > **RAMPF Eco Solutions** based in Pirmasens, Germany, develops chemical solutions for the manufacture of high-quality alternative polyols from PU and PET waste materials. This expertise is also put to use in the planning and construction of customer-specific facilities for manufacturing polyols.
- > **RAMPF Polymer Solutions** based in Grafenberg, Germany, develops and produces reactive resin systems based on polyurethane, epoxy, and silicone. Its product portfolio includes liquid and thixotropic sealing systems, electro and engineering casting resins, edge and filter casting resins, and adhesives.
- > **RAMPF Tooling Solutions** based in Grafenberg, Germany, develops and produces board and liquid materials for cutting-edge modeling and mold engineering. The range of skills includes made-to-measure services and products such as pastes, large-volume and full-size castings for Close Contour models, and prototyping systems.

RAMPF has subsidiaries in Germany, the U.S., Canada, Japan, and China.

All RAMPF companies are united under a holding company – RAMPF Holding GmbH & Co. KG – based in Grafenberg, Germany.

Published by:

RAMPF Holding GmbH & Co. KG

Albstrasse 37

72661 Grafenberg

Germany

T + 49.71 23.93 42-0

F + 49.71 23.93 42-2050

E info@rampf-gruppe.de

www.rampf-group.com

Your contact for images and further information:

Benjamin Schicker

RAMPF Holding GmbH & Co. KG

Albstrasse 37

72661 Grafenberg

Germany

T + 49.71 23.93 42-1045

F + 49.71 23.93 42-2045

E benjamin.schicker@rampf-gruppe.de