

RAMPF – Holistic Solutions for Sealing, Casting, Bonding, and Automation

High-performance reactive resin systems & innovative production systems with integrated dispensing technology at MECSPE 2021 – Hall 36 / Booth C47

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Grafenberg, Germany, November 9, 2021. The international RAMPF Group is presenting high-performance sealing systems, electro casting resins, casting resins, and elastomers as well as innovative dispensing technology with holistic automation solutions at MECSPE 2021, Italy's largest plastics trade show, from November 23 to 25 in Bologna – Hall 36 / Booth C47.

RAMPF Polymer Solutions – high-performance reactive resin systems



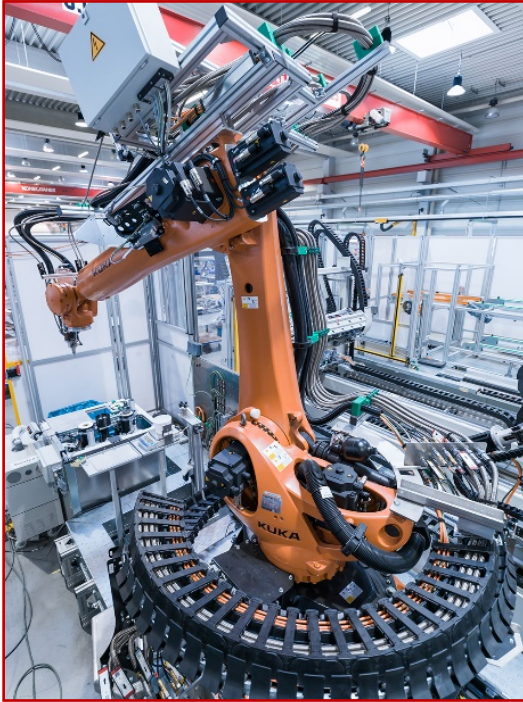
RAMPF Polymer Solutions, a market-leading developer and manufacturer of reactive resin systems based on polyurethane, epoxy, and silicone, is presenting the following products at MECSPE 2021:

- > Sealing systems based on polyurethane (RAKU[®] PUR) and silicone (RAKU[®] SIL) for automotive applications (door modules, loudspeaker boxes, fuse boxes, battery covers, brake and rear lights), control cabinets, and electrical housings in indoor, outdoor, and offshore environments. The two-component materials are certified according to UL, NEMA, ATEX as well as a number of IP classes. They exhibit high abrasion and chemical resistance and stand for fast curing and processability.
- > Electro casting resins made of polyurethane, epoxy (RAKU[®] POX), and silicone with very high thermal conductivity for electrical and electronic components in the automotive, electrical/electronic, energy, automation, and white goods industries. The systems keep thermal stress low by efficiently conducting heat away from the component. They also remain stable to reduce stresses occurring in the component, even with extreme changes in temperature.
- > Heavy-duty elastomers, tailor-made casting resins, and innovative reactive resin systems for the filter industry (air, oil, hydraulic, and industrial filters). For filter production, soft (Shore A 85) and hard (Shore D 80) casting compounds are offered, which have a conductivity of 0.03 MOhm/cm. These special systems can be processed by machines and exhibit good flowability and chemical resistance.

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RAMPF Production Systems – innovative dispensing technology with holistic automation solutions



RAMPF Production Systems is a leading supplier of mixing and dispensing systems for sealing, casting, and bonding a wide range of polymer systems. The company designs systems in accordance with the specific applications of its customers, with the precise coordination of material transport and preparation, dispensing, mixing technology, and moving axes ensuring optimum dispensing results. The dispensing systems are equipped with high-performance mixing technology that requires very little maintenance and processes a variety of materials such as polyurethane, epoxy, and silicone with extreme precision, regardless of fillers and viscosities.

In addition to its core competence of mixing and dispensing technology, the company provides product-specific automation concepts with integrated parts transport and heat treatment, assembly and joining technology, as well as logistic and quality assurance solutions. The customer-specific solutions include integrating both surface activation processes as well as testing and measuring technology to safeguard production processes.

Every system can be equipped with RAMPF's own HMI (human machine interface). All process information is provided to higher-level systems, so that the entire system can be controlled with just one intuitive, user-friendly interface.

Material, machine, and automation concepts from a single source

With materials (RAMPF Polymer Solutions), machines, processing technology, and automation solutions (RAMPF Production Systems) from a single source, RAMPF offers its customers in Italy holistic solutions that are perfectly tailored to their material and manufacturing requirements.

Visit RAMPF at MECSPE 2021, Italy's largest plastics trade show, from November 23 to 25 in Bologna – Hall 36 / Booth C47.

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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