

Sealing Systems & Dispensing Technology for Optimal Production Processes in the Electronics Industry

Material and machine for sealing, casting, and bonding: RAMPF at Elecrama, New Delhi, and Middle East Energy, Dubai

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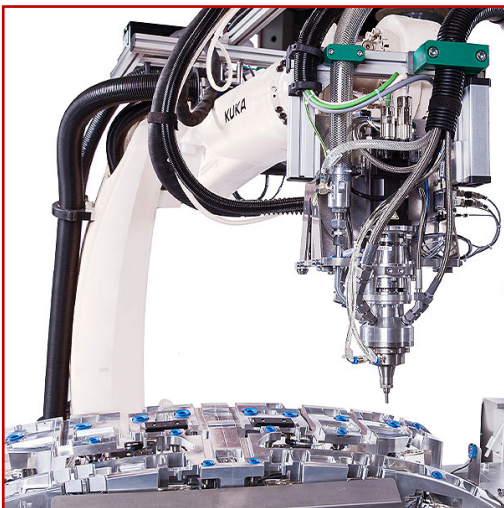
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Grafenberg, Germany, February 7, 2023. High-performance FIPFG gaskets and production systems with integrated dispensing technology for sealing, casting, and bonding electrical/electronic components – the international RAMPF Group is presenting its encompassing product portfolio at the trade shows Elecrama, New Delhi, and Middle East Energy, Dubai.

Elecrama February 18 to 22, 2023, in Greater Noida, New Delhi, India – Hall 11 / Booth H11E11 (German Pavilion); RAMPF Production Systems, RAMPF Polymer Solutions, Sanika Engineering & Consultancy, Prathamesh Technology & Industries

Middle East Energy March 7 to 9, 2023, in Dubai, United Arab Emirates – Hall 1 / Booth H1.G17 (German Pavilion); RAMPF Production Systems, RAMPF Polymer Solutions

RAMPF Production Systems – Dispensing Technology & Automation Concepts



RAMPF Production Systems based in Zimmern ob Rottweil, Germany, is one of the world's leading suppliers of mixing and dispensing technology for sealing, bonding, and casting single-, dual-, and multi-component reactive resin systems.

The compact dispensing cells and dispensing robots, set up with high-performance controllers from Siemens or Beckhoff, meet every requirement in terms of dynamism, interaction, and data management.

The company provides the following automation solutions:

- > Handling and robotics (KUKA, ABB, FANUC, DENSO)
- > Component transport (part carriers, conveyor belts, and rotary indexing tables)
- > Recording all process parameters with MES connection
- > Constructing tools and equipment
- > Material pre-treatment and heat treatment ((infra-red, convection, HF procedure)
- > Image processing and sensors
- > Contactless measuring technology

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RAMPF Polymer Solutions – Reactive Resin Systems



RAMPF Polymer Solutions based in Grafenberg, Germany, is a leading developer and manufacturer of reactive resin systems based on polyurethane, epoxy, and silicone. The product portfolio includes liquid and thixotropic sealing systems, electro casting resins with high thermal conductivity, performance materials, elastomers, and adhesive systems.

The product focus at Elecrama and MEE is FIPFG technology with polyurethane and silicone systems for control cabinets and electrical enclosures in indoor and outdoor environments.

Control cabinets serve as control centers in which electronic components of machines and systems are protected from dust, liquids, and other influences. For this challenging task, RAMPF Polymer Solutions has developed high-performance sealing foams based on polyurethane (RAKU[®] PUR) and silicone (RAKU[®] SIL). The UL-listed systems are specially developed for control cabinets and feature:

- > NEMA und ATEX certification
- > High protection classes, e.g. IP 68
- > Strong abrasion surface
- > High chemical resistance
- > Good adhesion on different materials
- > Fast curing, handling, and assembly

Material and machine from a single source – visit RAMPF at Elecrama, New Delhi, and Middle East Energy, Dubai!

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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.

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