

# Fakuma 2021: RAMPF Showcases Material, Process & Automation Expertise

Foam gaskets based on polyurethane and silicone / End-to-end production systems featuring integrated dispensing systems

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**Grafenberg, Germany, September 15, 2021. From October 12 to 16, the international RAMPF Group is presenting high-performance foam gaskets and innovative production systems with integrated dispensing technology at the Fakuma trade show at the Friedrichshafen trade fair center – Hall A4, Booth 4123.**

Companies operating in the automotive, electrical/electronics, energy technology, filter, medical technology, packaging, and white goods industries will find end-to-end solutions for their production processes at the RAMPF Group booth. In addition to foam gaskets based on polyurethane and silicone, the international Group is also showcasing mixing and dispensing technology with automation systems for sealing, casting, and bonding reactive plastic systems.

## Production systems with built-in dispensing systems – RAMPF Production Systems



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 around 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.

As a market leader in the field of automation, RAMPF Production Systems plans and manufactures customer-specific production systems based on standardized components. This ensures that only tried-and-tested process technology is used for each individual task. The company's process automation portfolio covers

- > Handling and robotics (KUKA, ABB, FANUC)
- > Component transportation
- > Control technology (Siemens, Beckhoff)

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- > Recording all process parameters with MES connection
- > Constructing tools and equipment
- > Material pre-treatment (activation), heat treatment
- > Image processing, sensors, contactless measuring technology

Every system can be equipped with the universal RAMPF HMI. All process information is provided to higher-level systems, meaning the system can be controlled with just one intuitive, user-friendly interface.

Alexander Huttenlocher, Director of Sales & Marketing at RAMPF Production Systems: “One of our major strengths is our wide-ranging portfolio featuring over 3,300 system solutions worldwide – from simple manual systems right through to fully automated production plants. The way our engineering, application technology, and automation experts closely collaborate with one another and with our customers is the foundation for numerous successful projects. We also offer comprehensive services such as training courses, feasibility studies, and the development of prototypes and samples.”

**All-rounders based on polyurethane and silicone – sealing systems from RAMPF Polymer Solutions**



RAMPF Polymer Solutions’ sealing systems from the RAKU<sup>®</sup> PUR (polyurethane) and RAKU<sup>®</sup> SIL (silicone) brands provide components with reliable protection against moisture, dust, chemicals, and various environmental influences. The company’s highly effective liquid sealing systems – formed in place gaskets (FIPGs) and formed in place foam gaskets (FIPFGs) – boast

- > Wide operating temperature range
- > High resistance to chemicals
- > Exceptional mechanical properties (compression set, tensile strength, break elongation, etc.)
- > Excellent adhesion
- > Very low water absorption

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RAKU<sup>®</sup> PUR and RAKU<sup>®</sup> SIL sealing systems are used worldwide in numerous industries and applications, including

- > Automotive/e-mobility: brake lights, loudspeakers, ventilation grills, door and door lock modules, headlights, battery housings, charging stations, charging connectors
- > Electric/electronics: electrical enclosures, housing covers, industrial lighting, LED modules, control cabinets, solar inverters
- > Packaging: packaging lids, metal and plastic lids, steel drum lids
- > White goods: sealing sinks and hobs, power units for dishwashers, sealing, damping, and insulation applications in washing machines, components for dryers

Albert Schmid, Director Business Center Sealing Systems at RAMPF Polymer Solutions: “We have established ourselves on the market as an end-to-end partner for our customers, and offer a comprehensive range of services that covers everything from product development to market launch. Among other things, our services include providing expert technical advice on selecting the best material and the corresponding component design, conducting near-series customer trials, after-sales service, and product and application training courses.”

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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, China, and Korea.

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

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