

Innovative Tooling Materials For Automotive, Marine, and Aviation Industries

RAMPF at CAMX 2021 trade show from October 19 to 21 in Dallas, TX – Booth J65

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Wixom, MI, USA, October 18, 2021. RAMPF Group, Inc. is presenting its portfolio of RAKU[®] TOOL boards, Close Contour materials, and liquid systems for first-class modeling products at the CAMX trade show from October 19 to 21 in Dallas, TX – Booth J65.

RAMPF Group, Inc. is a leading developer and manufacturer of modeling & mold engineering materials based on polyurethane and epoxy for the automotive, marine, and aviation industries, amongst others. The company offers customized solutions that are tailored to meet the specific requirements of customers throughout the entire production chain – from prototyping, model, mold, and tool construction to production.

The product portfolio encompasses

- > **Tooling boards** made from polyurethane and epoxy that exhibit outstanding mechanical properties, finest surface structures, and good dimensional stability. The boards are easy and quick to machine and compatible with all industry-standard paints, release agents, and epoxy prepregs. RAMPF boards are used, amongst others, for the manufacture of styling, master, cubing, and presentation models, negative molds for casting, design and form studies, and lay-up tools. High-performance RAKU[®] TOOL adhesives matched in hardness and color are available.
- > **Close Contour materials** that significantly reduce the amount of material used, production waste, and time spent on milling and finishing. The product range includes Close Contour Pastes (two-component epoxy systems which are applied to a close contour substructure by hand or CNC machine), Close Contour Castings (semi-finished polyurethane products supplied as three-dimensional castings that are already close to the final contour), and Close Contour Blocks (polyurethane or epoxy systems which are produced to customer specifications and delivered as unmachined rectangular blocks).
- > **Liquid systems** based on polyurethane and epoxy for various manufacturing techniques, build-up methods, and applications. The range of products encompasses gelcoats, laminating resins and pastes, casting resins, infusion systems, as well as liquid resin systems for structural and interior aerospace composites applications, including materials with FST properties.

Flying high with RAMPF at CAMX 2021

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At this year's trade show, RAMPF Group, Inc. is presenting a high-performance composite part made using the RAKU[®] TOOL resin infusion systems EI-2510/EH-2990 and EI-2511/EH-2990. These feature excellent fracture toughness and viscosity and are temperature resistant up to 209 °C. Gel time at 60 °C is 110 minutes.

Mark Davidson, Head of Sales & Marketing at RAMPF Group, Inc. – “Our high-performance materials and encompassing service offering enables our customers to realize their most ambitious projects. We are looking forward to CAMX 2021 and many new exciting projects.”

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RAMPF Group, Inc., based in Wixom, Michigan, is the North American subsidiary of the international RAMPF Group. The product portfolio encompasses:

- > Mixing & dispensing systems for the reliable processing of polymers
- > Two-component polymer (or synthetic) systems based on polyurethane, epoxy, and silicone
- > Modeling and mold engineering materials, in particular for the automotive, marine, and aviation industries
- > Machine bases, machine frames, and other structural components made from mineral casting (polymer concrete)

The international RAMPF Group stands for engineering and chemical solutions and caters to the economic and ecological needs of industry. The Group secures its presence on the international markets with approx. 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, China, Japan, and Korea.

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

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