

Brand new from RAMPF – foamed adhesive RAKU[®] PUR 33-1034 for LED applications

PLAST 2018: Innovative sealing systems, DC-CNC800 compact dispensing system, and automation solutions for production systems with integrated dispensing technology

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Page 1 of 4

Grafenberg, May 24, 2018. Premiere at PLAST 2018 in Milan: RAMPF Polymer Solutions presents the brand-new foamed adhesive RAKU[®] PUR 33-1034 for LED applications. Additional highlights at Stand 122 / Hall 11 include the RAKU[®] PUR ICE sealing system for outdoor applications and the DC-CNC800 dispensing cell from RAMPF Production Systems.

Foamed adhesive RAKU[®] PUR 33-1034 for LED applications



With RAKU[®] PUR 33-1034, RAMPF Polymer Solutions is opening up a whole new world of possibilities in LED production. The foamed adhesive bonds and seals in one and is thus perfectly suited to modern LEDs, which are sealed permanently.

The two-component PU system ensures perfect adhesion and sealing between PC and PMMA – with no need for pre-treatment. Compared to standard adhesives, RAKU[®] PUR 33-1034 exhibits a very low density, which enables both material and cost savings.

The excellent aging resistance of RAKU[®] PUR 33-1034 ensures LED applications benefit from a long-lasting high-quality look. Meanwhile, the rapid reaction and low curing times of the foamed adhesive help to speed up the production process.

RAKU[®] PUR 33-1034, which is suitable for both static and dynamic mixing, also boasts an impressively low viscosity, high resistance to chemicals, and very high tensile strength and elongation at break.

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RAKU[®] PUR ICE sealing system for outdoor applications



Whether in the cold, rain, snow or frost, RAKU[®] PUR ICE from RAMPF Polymer Solutions delivers a dependable, long-lasting seal for applications in the automotive, electrical/electronics, and lighting industries. Not even very low temperatures alter the look and physical properties of the two-component PU sealing system.

DC-CNC800 compact dispensing cell from RAMPF Production Systems



The DC-CNC800 mixing and dispensing system from RAMPF Production Systems is the ideal solution for users who want a compact machine structure without having to compromise on control technology.

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The system features a built-in material preparation unit and can be fitted with piston or gear pumps. A CNC Siemens Sinumerik control system and Beckhoff control technology are available for modular control. A further advantage is integrated process monitoring that oversees pressures, fill levels, and speeds.

The DC-CNC800 can be fitted with a high-pressure rinse agent recycling system, high-pressure water rinsing, various application-specific automation systems, and the MS-C mixing system for dispensing rates of 0.1 g/sec and above. Additional features include standardized operating concepts for shuttle table, rotary index plate, and conveyor feed, as well as vacuum barrel presses for gap filler.

Automating production facilities with integrated dispensing technology



Combining process expertise with automation know-how generates maximum benefits for customers. RAMPF Production Systems is at PLAST 2018 to showcase innovative solutions for automating production facilities with integrated dispensing technology. This automation know-how encompasses handling and robotics, component transport, control technology, the capture of all process parameters with MES connection, and heat treatment.

Visit RAMPF Production Systems, RAMPF Polymer Solutions, and Italian RAMPF partner Cabelpiù at PLAST 2018, from May 29 to June 1 in Milan, Italy – Hall 11, Stand 122.

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Page 4 of 4

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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 800 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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