Press Release

100,000+ Replications – RAMPF Polyurethane Board Sets New Standard in Foundry Modeling

RAKU® TOOL WB-1258 with outstanding abrasion resistance introduced to US market

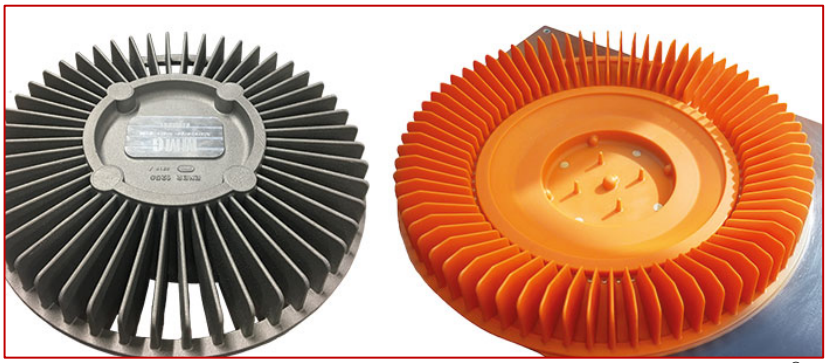
Wixom, MI, USA, April 23, 2019. With its highly abrasion-resistant RAKU® TOOL WB-1258 foundry board, RAMPF Group, Inc. is offering an unbeatable alternative to liquid systems and high-priced metals for a wide range of foundry modeling applications. The polyurethane board will officially be presented at CastExpo 2019 from April 27 - 30 in Atlanta, GA – Booth 845.

Thanks to its exceptional abrasion resistance, more than 100,000 replications can be produced with the polyurethane board RAKU® TOOL WB-1258. This was previously possible using either liquid systems with complex manufacturing processes with higher costs or high-priced metals like aluminum.

With RAMPF's cutting-edge foundry board material, core boxes and pattern plates are manufactured that facilitate the quick and easy production of models with outstanding abrasion resistance, dimensional stability and accuracy.

The core box/pattern plate is directly milled using CAD data, which also ensures the high precision of the models. The dimensionally stable polyurethane board is easy to process and changes can be easily made.

RAKU® TOOL WB-1258 also exhibits minimal sand adhesion, high chemical resistance, and virtually no swelling. Color-matched adhesives are available.



At CastExpo 2019, RAMPF is presenting a pattern plate made from RAKU® TOOL WB-1258 for the manufacture of a fan housing. The polyurethane foundry board has been in production in Germany since 2015.

RAKU® TOOL for the Foundry Industry

At CastExpo 2019, RAMPF will also be featuring two molds that were manufactured from the modeling board RAKU® TOOL MB-0600 and the working board RAKU® TOOL WB-0801:

> The polyurethane board RAKU® TOOL MB-0600 exhibits a superior surface structure, good dimensional stability, and low coefficient of thermal expansion. Applications in the foundry industry include patterns.

> The polyurethane board RAKU® TOOL WB-0801 exhibits a superior surface structure, high heat deflection temperature with very low coefficient of thermal expansion, superb dimensional stability as well as good compressive and flexural strength. Applications in the foundry industry include patterns, core boxes, jigs and fixtures.

In addition to its wide range of boards, RAMPF offers customers in the foundry industry high-performance polyurethane, epoxy, and polyurea casting resins, epoxy and polyurea gelcoats, multipurpose resins, and laminating pastes.

www.rampf-group.com

RAMPF Group, Inc., based in Wixom, Michigan, is the North American subsidiary of the international RAMPF Group.

The product portfolio of RAMPF Group, Inc. is comprised of:

> mixing and 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 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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