

Fast and Sustainable Production of Pattern Plates and Core Boxes

GIFA 2023: RAMPF presents extremely abrasion-resistant board materials for the foundry industry – Hall 15 / Booth 15D08

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Grafenberg, Germany, May 16, 2023. Abrasion-resistant, dimensionally stable, eco-friendly – RAMPF Tooling Solutions is presenting its comprehensive board material portfolio for the foundry industry at GIFA 2023 from June 12 to 16 in Düsseldorf – Hall 15 / Booth 15D08.



Energy and resource efficiency are becoming increasingly important in the foundry industry. Highly efficient manufacturing processes as well as high-performance and environmentally-friendly materials are decisive for the quality and cost-effectiveness of the entire process chain – and this is what epoxy and polyurethane systems from RAMPF Tooling Solutions stand for.

Board materials from the RAKU[®] TOOL brand offer a number of advantages:

- > An extremely high abrasion resistance with far more than 100,000 moldings for maximum service life of patterns
- > Above-average dimensional stability for reliable production processes
- > Very good chemical resistance to release agents and core sand binders (no swelling)
- > Minimal sand adhesion
- > Simple processing
- > Unbeatable cost-efficiency: fast milling times, simple and quick modifications, significantly cheaper and lighter than metal tools

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A further benefit – the eco-friendly manufacture and composition of RAKU[®] TOOL foundry boards. The majority of the boards contains between 10 and 30 percent recycled polyol. The recycling polyol is obtained from the chemical recycling of polyurethane and PET residues as well as in-house RAKU[®] TOOL production waste.

The trade fair highlight – multi-part core box made from RAKU[®] TOOL WB-1258



Thanks to the extremely high abrasion resistance of the RAKU[®] TOOL WB-1258 polyurethane board, far more than 100,000 moldings can be achieved, which is otherwise only possible with liquid systems via complex and costly manufacturing processes or metals.

The core box parts were milled directly from RAKU[®] TOOL WB-1258 using CAD data, which guarantees both a rapid production and high accuracy of the models. After minimal finishing, the air nozzles were inserted, followed by first trials.

Another highlight at the RAMPF booth – the extensive range of RAKU[®] TOOL Close Contour Castings and liquid materials for pattern and core making.

Visit RAMPF Tooling Solutions at GIFA 2023 from June 12 to 16 in Düsseldorf – Hall 15 / Booth 15D08!

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www.rampf-group.com



RAMPF Tooling Solutions GmbH & Co. KG 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 Tooling Solutions is the world's largest producer of styling, modeling, and working board materials, which demonstrate excellent quality and the best mechanical properties.

High-quality Close Contour Pastes, Close Contour Blocks, and Close Contour Castings guarantee excellent and cost-effective solutions for modeling and mold engineering.

The company produces and develops pioneering systems for the composites industry that cover a wide variety of production procedures and a broad range of temperatures.

RAMPF Tooling Solutions also provides expert advice, customer-specific service, and prompt technical support.

RAMPF Tooling Solutions is a company of the international RAMPF Group based in Grafenberg, Germany.

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