

Everything for quick and economic modeling

RAMPF Tooling presents new Close Contour Paste at Euro-mold

BS – 2008/10/28

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Grafenberg, 27.10.2008 – *Since its market entry in 2006 RAMPF Tooling has positioned itself well on the international stage with subsidiaries on every important continent and distributors in more than 20 countries. Still, the success story continues with innovative developments and products. At this year's Euromold in Frankfurt the specialist for modeling materials will present its latest highlight: a new Close Contour Paste for the quick and economic production of models.*

„From idea to prototype to series production“, that is the concept for the forthcoming Euro-mold exhibition. Along this process chain RAMPF Tooling has developed a comprehensive product range of modeling materials which are used for the production of data control and master models as well as design and styling models especially in the automotive, marine and aerospace industry. A number of highlights will be presented at the world fair for mold-making and tooling. The focus of this year's exhibition will be on Close Contour Paste, Close Contour Casting and liquid materials.

The RAMPF Tooling specialists will be presenting five Close Contour Pastes with the spotlight falling on a new polyurethane product (PU). Amongst the main application industries for Close Contour Pastes are automotive, marine, wind energy and aerospace. Advantages and key properties of the pastes are the quick and easy application and the very fine and homogenous surface without bonding lines. Furthermore, virtually any type of supporting structure can be used, e.g. very light weight, inexpensive materials like expanded polystyrene (EPS), medium density fibreboards (MDF) and board materials with a low density.

A closer look at the technical data of the PU paste confirms the economic efficiency of the new product. The applied paste can already be machined to its final shape after a twelve hour room temperature cure. It can even be applied to vertical surfaces in a layer thickness of 20 mm without slump.

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picture: The new paste stands for quick application and quick cure (12 hours at room temperature).

The user can also save time and costs with RAMPF Tooling's Close Contour Casting process (3C). The technology stands for quicker machining, less tool wear and less wastage. Close Contour Casting is an innovative concept whereby close contour models are produced through vacuum casting. The mold in which the liquid material is cast is produced according to the CAD data received from the customer.

RAMPF Tooling is currently offering seven products for Close Contour Casting. The application areas range from modeling over metal forming, lay up tools and seamless galvanano bath models to the foundry industry. "The 3D concept is especially interesting since the whole casting process is done through RAMPF Tooling. The customer just has to provide us with the dimensions and we supply the final close contour casting ready for milling", explains sales director Peter Kimmerle. Close Contour Casting is a very precise casting process and the lead time for a casting lies between five to ten days depending on the customer's specific requirements.

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picture: close contour models produced through vacuum casting.

RAMPF Tooling's performance at the exhibition will be rounded off through the introduction of some new liquid materials. The focus will be on infusion systems. The system EL-2203 / EH-2970 with a high temperature resistance and good flow and wetting properties will be one of the highlights.

In a nutshell

Close Contour Paste: RAKU-TOOL CP-6090

Advantages:

- Very fine and homogeneous surface
- Easy to machine, little dust
- Easy to process
- Quick application
- Low exotherm
- Can be machined after 12 h room temperature cure
- No slumping on vertical surfaces
- Low density supporting structure possible (PU/EPS)
- Little waste when compared to board materials

Infusion System: RAKU-TOOL EL-2203 / EH-2970

Advantages:

- Low viscosity, no degassing under vacuum
- Good wetting properties
- Flows well
- Good cure at room temperature

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<p>RAMPF Tooling GmbH & Co. KG</p>	<p>www.rampf-tooling.com</p> <p>With the invention of the first polyurethane board, company founder Rudolf Rampf revolutionized the modeling market in 1981. Today RAMPF Tooling GmbH & Co. KG based in Grafenberg is offering a wide product range of model, mold, and tool making materials under the RAKU-TOOL brand. The products are successfully used in many industries like automotive, aerospace, marine, wind energy, ceramics, plastics and mechanical engineering. Since 2006, the company, which belongs to the RAMPF Group, operates independently in the market. The material specialist secures its worldwide operating presence through the American and Japanese subsidiaries of the RAMPF Group, as well as via numerous distributors throughout Europe.</p>
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Publisher:
RAMPF Tooling GmbH & Co. KG
Albstraße 37
D-72661 Grafenberg
T + 49 (0) 7123 9342-1600
F + 49 (0) 7123 9342-1666
E info@rampf-tooling.de
www.rampf-tooling.de

Your contact for pictures and further information:
Barbara Steinbach
RAMPF Holding GmbH & Co. KG
Albstraße 37
D-72661 Grafenberg
T + 49 (0) 7123 9342-1041
F + 49 (0) 7123 9342-2041
E barbara.steinbach@rampf-holding.de