

*obomodulan®*

## Model and Soft Tool Making

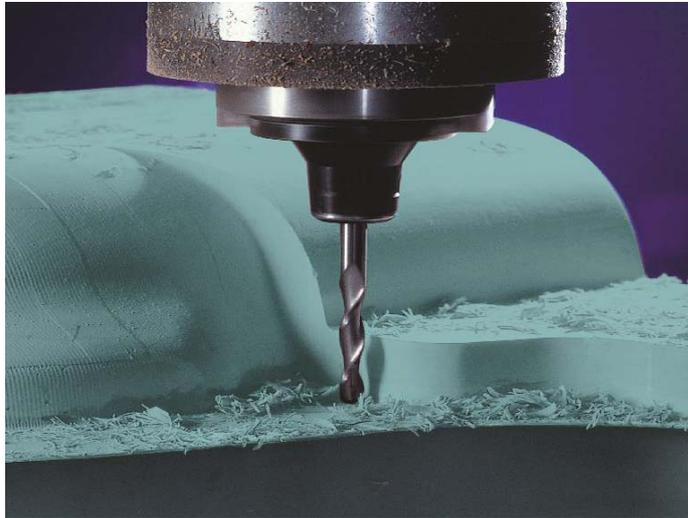
OBO-Werke GmbH & Co. KG is a leading manufacturer and distributor of polyurethane based model material. We distribute our board material under the established trademark obomodulan® worldwide.

The extraordinary homogeneous and smooth surface as well as the fine cell structure of obomodulan® is much appreciated not only for model and soft tool making but also for production line checking fixtures and durable foundry patterns.

For many years OBO has been manufacturing RenShape® Polyurethane products for Huntsman Advanced Materials. Since 2014 OBO also manufactures and supplies RenPaste™ Modelling Pastes and RenShape® Epoxy Boards under licence of Huntsman Advanced Materials.

In addition and based on the long-term partnership Huntsman Advanced Materials has appointed OBO as its master distributor for the distribution of its full range of tooling liquids in almost all European markets (apart from France and Turkey). Thus OBO becomes a full service provider for the European Tooling Market.

**Hall 8, Booth B32**



*Image: OBO-Werke*

## EuroMold 2014: Hightech "Made in Germany"

This year more than 1000 exhibitors await visitors at EuroMold, the leading world fair for moldmaking and tooling, design and application development held from 25<sup>th</sup> to 28<sup>th</sup> of November 2014 in Frankfurt am Main. Exhibitors from Germany and around the world are presenting groundbreaking ideas for numerous industries, sectors and specialist fields. All of them are introducing visitors to ways of faster, more cost-effective and efficient product development.

Among the numerous renowned German and international exhibitors are big names like GEISS AG, HASCO and MISSLER and ExOne. They are introducing EuroMold visitors to trendsetting innovations in their specialist fields. Cost effectiveness, greater precision and a look at the near future of product development Made in Germany take centre stage.

Geiss AG is presenting its newly developed T10 thermoforming machine which, like all GEISS thermoforming machines, is a single-station system but where all drive elements of the table drive are arranged underneath the clamping level. Therefore the T10 guarantees the most efficient use of production space. HASCO Hasenclever GmbH and MISSLER are presenting an innovative design software for moldmaking and tooling developed in cooperation between the two companies. The HASCO standard parts module in combination with the newly developed TopSolid7 software from MISSLER makes the development of 3D designs for injection moulding tools much easier, combining the principles of cost effectiveness and precision.

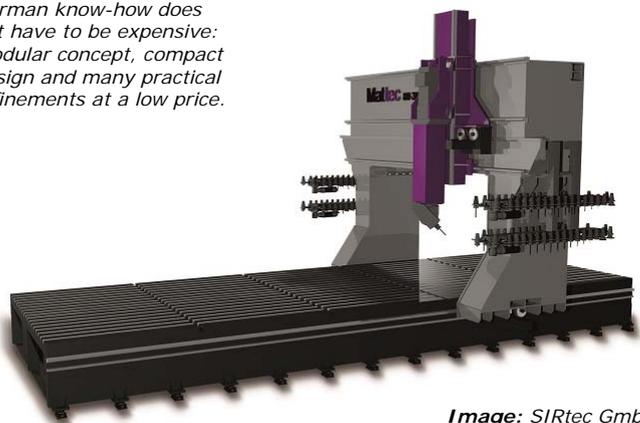
ExOne GmbH from Augsburg, the specialist for additive manufacturing using the sand printing process, is setting standards with the new M-Flex 3D printer as the fastest metal printer in its class. The M-Flex 3D printer is capable of printing components directly in stainless steel, subsequently achieving final strength with the help of a sintering and infiltration process. This 3D printing process embodies the perfect combination of cost effectiveness and efficiency. (DEMAT)

## Individually Configurable Milling Machine for Machining of Large Parts in Tool and Making Applications

Purchasing a milling machine can be a challenge for customers trying to find the right machine for their individual requirements. Is the quality convincing? Machine failures are cost-intensive! Is the price acceptable? High acquisition costs increase the machine hour-rate. And is the machine available in the right size?

The portal milling machinery range Mattec is a new product development of the SIRtec GmbH with many advantages. Our focus was on creating maximum flexibility in terms of installation size and available equipment to provide a portal milling machine that can be integrated into almost any production. It was important to us to implement the complete production in Germany at an attractive price level, so that the new Mattec designs are marketed at a nearly unrivaled price-performance ratio. Thanks to exclusive production at the facility in Rütten, SIRtec GmbH is able to respond and react to all requirements and local conditions from initial stage to assembly at the customer's site. The modular construction of the system provides for maximum flexibility in terms

*German know-how does not have to be expensive: modular concept, compact design and many practical refinements at a low price.*



*Image: SIRtec GmbH*

of height, length, width and component parts. Customers benefit from the following technical possibilities that the modular concept of the Mattec portal milling machines offers: Travel ranges in X-direction reach from 5.000 to 40.000 mm, between 1.000 and 4.500 mm can be achieved in Y-direction and the appropriate machine performs between 1.000 and 1.600 mm in Z-direction.

**Hall 8, Booth E149**