

## Press Release



Bitte besuchen Sie uns:  
Halle B / B31

### Contact:

B.Sc. Vanessa Schwittay  
[v.schwittay@sigmasoft.de](mailto:v.schwittay@sigmasoft.de)  
+49-241-89495-0  
Kackertstr. 11  
D-52072 – Aachen

## SIGMA at K 2016 Virtual and Real – “Ursula” at K 2016

### SIGMASOFT® Virtual Molding supports the development and production chain

*During the K 2016 SIGMA Engineering presents for the first time virtual and real production in parallel within the same booth. The virtual production helps identifying possible challenges before mold manufacturing and allows testing possible counter measures without risk. Visitors receive first-hand information about the application of SIGMASOFT® Virtual Molding along the complete development and production chain, with the example of the design article “Ursula”.*

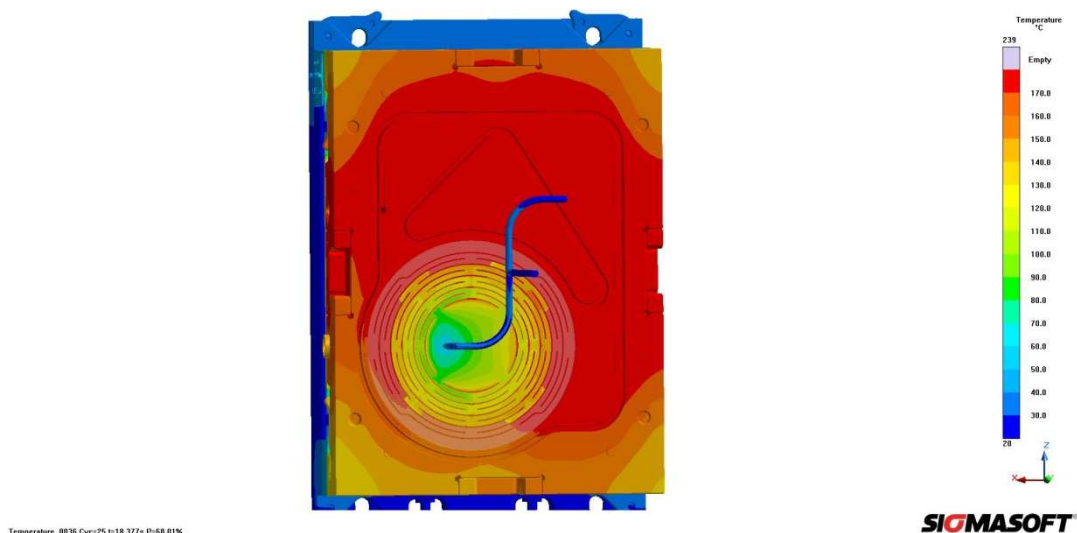


Figure 1 – Not only the virtual but also the real production of Ursula will be demonstrated at K 2016 – a novelty at the SIGMA booth

## Virtual and Real – “Ursula” at K 2016

**Aachen, June 16<sup>th</sup> 2016** – From October 18<sup>th</sup> to 26<sup>th</sup> SIGMA Engineering GmbH will present its SIGMASOFT® Virtual Molding technology in parallel to real production at the K 2016 in Düsseldorf. In Hall 13, Booth B31, visitors will get a read into the different application fields along the development and production chain of injection molding processes. Through different examples, typical questions of elastomer, thermoplast, thermoset and Powder Injection Molding processes will be answered, thus demonstrating the potential of the software.

One of the examples may already be familiar to visitors of the last Fakuma – the design article “Ursula”, from CVA Silicone (part of the CVA Technology Pure Silicone Group). On a fully electric injection molding machine model e-mac 100, from the company Engel, the bottle carrier mesh will be produced at the SIGMA booth, using Silopren LSR 2670 from Momentive Performance Materials. Thus, visitors have the possibility to follow the real and virtual production of a part at the same time.

While for the part “Ursula” the main issue is the selection of the ideal material, further thermoplastic, rubber and liquid silicone applications will demonstrate how the SIGMASOFT® Virtual Molding technology supports networking and information exchange through the complete development chain. In doing so the part and mold design, as well as the production process are the main focus. From the first design draft up to trouble shooting of the production process, users can benefit by identifying possible challenges in sufficient time, and by testing solutions on the computer without risk and without wasting resources.

SIGMA® ([www.sigmasoft.de](http://www.sigmasoft.de)) is 100% owned by MAGMA® ([www.magma-soft.de](http://www.magma-soft.de)), the world market leader in casting process simulation technology based in Aachen, Germany. Our SIGMASOFT® Virtual Molding technology optimizes the manufacturing process for injection molded plastic components. SIGMASOFT® Virtual Molding combines the 3D geometry of the parts and runners with the complete mold assembly and temperature control system and incorporates the actual production process to develop a turnkey injection mold with an optimized process.

At SIGMA® and MAGMA®, our goal is to help our customers achieve required part quality during the first trial. The two product lines – injection molded polymers and metal castings – share the same 3D simulation technologies focused on the simultaneous optimization of design and process. SIGMASOFT® Virtual Molding thus includes a variety of process-specific models and 3D simulation methods developed, validated and constantly improved for over 25 years. A process-driven simulation tool, SIGMASOFT® Virtual Molding provides a tremendous benefit to production facilities. Imagine your business when every mold you build produces required quality the first time, every time. That is our goal. This technology cannot be compared to any other simulation approach employed in plastics injection molding.

New product success requires a different communication between designs, materials, and processes that design simulation is not meant for. SIGMASOFT® Virtual Molding provides this communication. SIGMA® support engineers, with 450 years of



combined technical education and practical experience, can support your engineering goals with applications specific solutions. SIGMA® offers direct sales, engineering, training, implementation, and support, by plastics engineers worldwide.

This press information is available to download as pdf and doc format under the following link: [www.sigmasoft.de/press](http://www.sigmasoft.de/press)