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## PRESS RELEASE

WITTMANN BATTENFELD at the Compamed in Düsseldorf

### **WITTMANN BATTENFELD presents latest technology for the production of nano structures**

***From November 11 to 14, 2024, WITTMANN BATTENFELD will present to visitors of the Compamed the latest solutions for time and cost optimization in the production of parts with nano structures at its booth No. F03-1 in hall 8b.***

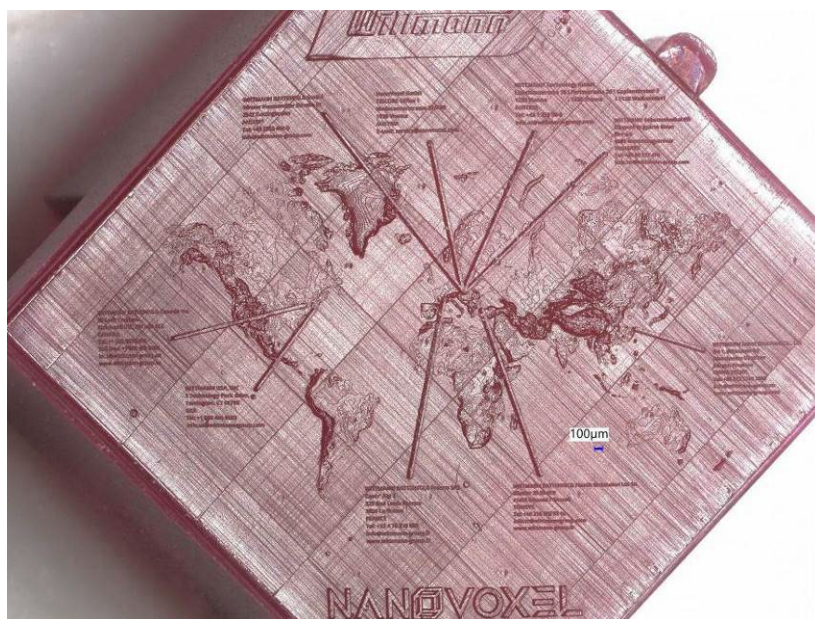
As the leading international trade fair of the medical technology supplies sector, the Compamed is a suitable platform for WITTMANN BATTENFELD to present its latest solutions in the field of micro injection molding, since miniaturization now plays a vital part especially in medical technology.

At this year's Compamed, the company will demonstrate in cooperation with NanoVoxel, based in Vienna, the use of a 4-cavity mold produced by 3-D printing to manufacture a micro part on which nano-scale structures are formed. The MicroPower, specially designed for injection molding of micro parts, is equipped with a two-step screw-and-plunger injection unit, via which thermally homogeneous melt can be injected with shot volumes ranging from 1.2 to 6 cm<sup>3</sup>. In this way, it is possible to produce parts of outstanding precision in an absolutely stable production process and within minimal cycle times.

With its MicroPower 15/10, WITTMANN BATTENFELD will produce at its booth a demo tile measuring no more than 8.5 by 8.5 mm, depicting a world map on which all WITTMANN production sites are shown. Here, the mold technology developed by NanoVoxel offers the advantage of being able to produce extremely small structures in a short time and at low cost. The high precision which can be achieved by combining NanoVoxel mold technology with the machine technology from WITTMANN BATTENFELD opens up new perspectives for medical technology applications.



**Fig. 1:** MicroPower 15/10



**Fig. 2:** Demo tiles measuring 8.5 x 8.5 mm with nano structures – showing a world map with WITTMANN production sites (Photo: NanoVoxel)

## The WITTMANN Group

The WITTMANN Group is a globally leading manufacturer of injection molding machines, robots and auxiliary equipment for processing a great variety of plasticizable materials – both plastic and non-plastic. The group of companies has its headquarters in Vienna, Austria and consists of two main divisions: WITTMANN BATTENFELD and WITTMANN. Following the principles of environmental protection, conservation of resources and circular economy, the WITTMANN Group engages in state-of-the-art process technology for maximum energy efficiency in injection molding, and in processing standard materials and materials with a high content of recyclates and renewable raw materials. The products of the WITTMANN Group are designed for horizontal and vertical integration into a Smart Factory and can be interlinked to form an intelligent production cell.

The companies of the group jointly operate ten production plants in six countries, and the additional sales companies at their 35 different locations are present in all major industrial markets around the world.

WITTMANN BATTENFELD pursues the continued strengthening of its market position as a manufacturer of injection molding machines and supplier of comprehensive modern machine technology in modular design. The product range of WITTMANN includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, temperature controllers and chillers. The combination of the individual areas under the umbrella of the WITTMANN Group enables perfect integration – to the advantage of injection molding processors with an increasing demand for seamless interlocking of processing machines, automation and auxiliaries.

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