# PRESS RELEASE

**Ein Bild, das Grafiken, Schrift, Screenshot, Logo enthält.

Automatisch generierte BeschreibungHufschmied exhibits at AEEDC in Dubai**

**Industry-specific tools at the world's leading trade fair for dentistry**

**February 4–6, 2025  
German Pavilion, Stand S3B05**

Bobingen (Germany), January 28, 2025 - From February 4 to 6, 2025, dental medicine and dental technology experts from all over the world will meet for the 29th time at AEEDC Dubai, the UAE International Dental Conference & Arab Dental Exhibition. Hufschmied Zerspanungssysteme GmbH will be represented in the German Pavilion, Stand S3B05 in the Dubai World Trade Center. The company will be exhibiting together with Eisenbacher Dentalwaren, Nordiska and Willmann & Pein and will be presenting tools for processing materials commonly used in dental technology. Highlights include the Zirkonator, a patented high-performance tool to produce zirconium dioxide dentures, as well as a solution for aligner production.

The Zirkonator is a combined roughing and finishing tool specially developed for zirconium processing, which is used to finish directly to the final dimension. The patented nanocrystalline diamond coating DIP® increases the service life of the high-speed, high-volume tool by up to 30 percent while maintaining the same quality and preventing build-up in the chip channel. Thanks to the extremely smooth running of the tool, reliable processing of preparation margins of up to 0.1 mm is possible. The superiority of the Zirkonator concept was impressively demonstrated in a benchmark test at Augsburg University of Applied Sciences.

Burr-free aligner fabrication

Machining plastics also confronts dental technicians with special challenges. With the SHARP-LINE 112SH, Hufschmied is presenting the optimum tool for the production of aligners made of PMMA or PET at the AEEDC. An innovative, extremely sharp single-edge geometry allows the sensitive transparent materials to be processed burr-free and with almost crystal-clear cutting edges. SHARP-LINE 112SH holds its cutting edge for a very long time and thus enables an efficient and economical aligner production.

Whether zirconium, plastic, nanocomposites, cobalt-chrome, titanium, wax or PEEK - Hufschmied offers a broad portfolio of cutting tools for dental technology materials that are often very difficult to machine. The tools are also tailored to a wide range of machines commonly used in the industry.

**Available image material**

The following printable images are available for download on the Internet:   
<https://kk.htcm.de/press-releases/hufschmied/>

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| Image source: Hufschmied Zerspanungssysteme  **SHARP-LINE 112SH is a customized solution for the production of dental splints** | Image source: Hufschmied Zerspanungssysteme  **The Zirkonator impresses with its superior performance and service life during zirconium processing.** |

**Available video material**

You can find the following video material on our YouTube channel:   
<https://www.youtube.com/watch?v=zMXvmP4QCp4>

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| Source: Hufschmied Zerspanungssysteme  **Video on dental aligner production** |

About Hufschmied Zerspanungssysteme GmbH

Established in 1991 and headquartered in Bobingen near Augsburg, Hufschmied Zerspanungssysteme GmbH is a manufacturer of high-quality tools for machinable production and friction stir welding. By specializing at an early stage in the machining of plastics, fiberglass materials and carbon fiber, Hufschmied has become a leader in Europe in the development of solutions for new materials. The company is an established system supplier to renowned machine tool manufacturers. Tools and manufacturing process consulting from Hufschmied are particularly valued in the automotive and aerospace industries as well as in medical technology. The company is involved in numerous organizations, including Composites United Deutschland e. V. Hufschmied's manufacturing operations are located in Bobingen, Winterlingen and Sigmaringen on the Swabian Alb. Hufschmied is certified according to ISO 9001:2015 (quality management) and ISO 14001:2015 (environmental management).

*Hufschmied Zerspanungssysteme GmbH – One Cut Ahead*

For more information: www.hufschmied.net

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