# PRESS RELEASE

**Hufschmied participates at the virtual trade fair JEC Composites Connect**

**Tools designed for advanced materials**

Bobingen (Germany), 20 May 2021 - This year, the French trade show JEC World will be transformed into JEC Composites Connect, a two-day digital event that unites experts for composite materials. On June 1 and 2, 2021, Hufschmied Zerspanungssysteme GmbH will inform about tools and process-safe methods for machining CFRP, GFRP, Honeycomb and SMC. Hufschmied will not only present tools but will also present process optimization projects that have been developed together with partners from the fields of machine manufacturers, material producers and CAM developers. Interested parties can register for the event now at <https://my.jeccomposites-connect.events/Pro>.

Companies in the aerospace and automotive industries have learned time and time again that knowledge of metal cutting cannot be transferred to the machining of composite materials. Rejects are quickly produced, or machined parts have to be reworked at great expense. Delamination-free machining of fiber composites is made possible by Hufschmied developments such as the T-REX and HEXACUT® Eco tool series. T-REX is a tool family specifically for machining CFRP and GFRP. The DIP®-coated end mills combine the advantages of a router geometry with the delamination-free trim quality of a compression tool. New introductions this year include the T-REX for SMC. The combined roughing/finishing tool HEXACUT® Eco is also particularly suitable for composite materials due to the combination of special cutting-edge geometry and coating. With the FB172, a new drill for delamination-free CFRP machining will also be shown. Additionally, Hufschmied will provide information on the machining of ceramic fiber composites (CMC), which are often thought to be impossible, and Hufschmied will present a complete solution for honeycomb blocks. These can be cut to size with ultrasonic blades and milled to shape with the "fiber cracker." The ultrasonic blades from Hufschmied, which are also well suited for other materials such as CFRP, represent a significant improvement over previously available blades. The solid carbide monoblock blades offer up to 100 percent more cutting performance with up to ten times higher vibration amplitudes.

 **Available images**

The following images can be downloaded from the Internet in printable quality:
<http://www.htcm.de/kk/hufschmied>

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| Image source: Hufschmied Zerspanungssysteme**HEXACUT® Eco is ideal for composite materials.** | Image source: Hufschmied Zerspanungssysteme**The T-Rex from Hufschmied combines the advantages of a router geometry with the delamination-free trim quality of a compression tool.** |

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| Image source: Hufschmied Zerspanungssysteme**HEXACUT® Eco enables delamination-free machining of drill holes on the entry and exit side. Component vibrations are eliminated and tool life is increased to a maximum.** |

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. 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 Winterlingen in the Swabian Alb.

Hufschmied is the only tool manufacturer with its own diamond coating plant.

For more information: www.hufschmied.net

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