Oberkochen, January 2026

**Clean Manufacturing, Sustainable Impact**

**The DFC® turbine ensures optimal chip extraction on nesting machines and machining centers**

**With the DFC® (Dust Flow Control) turbine, Leitz presents an efficient technology for the furniture industry. It was specifically developed to precisely control the flow of chips and dust during machining. In this way, particles are directed straight toward the extraction system, ensuring a clean machining area while significantly improving the overall production environment.**

Nesting machines and machining centers have long been among the core production assets in the furniture industry. Their high flexibility and precision make them indispensable in modern manufacturing processes. At the same time, machining wood-based panels generates a considerable amount of chips and dust. These particles are not always fully captured by the machine extraction system, which can result in increased exposure for employees.

Dust Flow Control (DFC) stands for controlled chip evacuation and has been successfully used in tools for many years. The DFC® turbine addresses precisely the point where conventional extraction systems reach their limits. The directed airflow consistently removes chips and dust particles from the machining zone. This significantly improves chip evacuation, reduces disruptions in the production process, and supports consistently high quality of the finished workpieces.

**Improved workplace quality and resource efficiency through innovative dust management**

The benefits of the DFC® turbine go far beyond simple cleanliness in the machining area. For employees, the targeted dust guidance results in a noticeable improvement in workplace quality, as airborne dust exposure is significantly reduced. Machines benefit from fewer deposits inside the working area, which lowers maintenance requirements and reduces downtime.

In addition, the technology has a positive impact on production efficiency. By preventing double cutting and by extracting chips directly from the machining area, tool life is extended, resulting in lower operating costs. At the same time, energy consumption is reduced thanks to the supportive airflow, as the extraction system can operate more efficiently. For companies increasingly focused on sustainable manufacturing methods, the DFC® turbine therefore represents an important building block in achieving environmental and efficiency goals.

**Technical highlights at a glance**

The DFC® turbine is designed for use on CNC machines and stands out for its precise clamping technology, which ensures high accuracy and long tool life. Thanks to its robust yet lightweight design, it is ideally suited for continuous operation. Its construction allows for high rotational speeds and versatile use across a wide range of production environments. Particularly practical: different material thicknesses can be machined reliably without additional setup effort—saving time and increasing productivity.

**The company**

Founded in 1876 in Oberkochen, southern Germany, the Leitz Group celebrates its 150th anniversary this year. Today, as a family-owned company in its fifth generation, Leitz is the world’s leading manufacturer of tools for the professional cutting and machining of solid wood, wood-based materials, plastics, composite materials, and non-ferrous metals. The product spectrum covers the full range of machine-driven precision tools and tooling systems. As a manufacturing service provider, Leitz supports its global customers with a comprehensive range of services and consulting, ensuring the optimal application of cutting tools. Leitz products are regularly used in more than 150 countries. Together with its two legally independent sister companies Boehlerit and Bilz, Leitz forms the globally active Brucklacher Group. With a total of 17 production sites, its own sales and service companies in 38 countries across 137 locations and an exclusive partner network, the Brucklacher Group is a global player represented on all continents. The Brucklacher Group employs over 4,000 people worldwide and generates an annual turnover of around 450 million euros.

**For more press information and high resolution images, contact:**

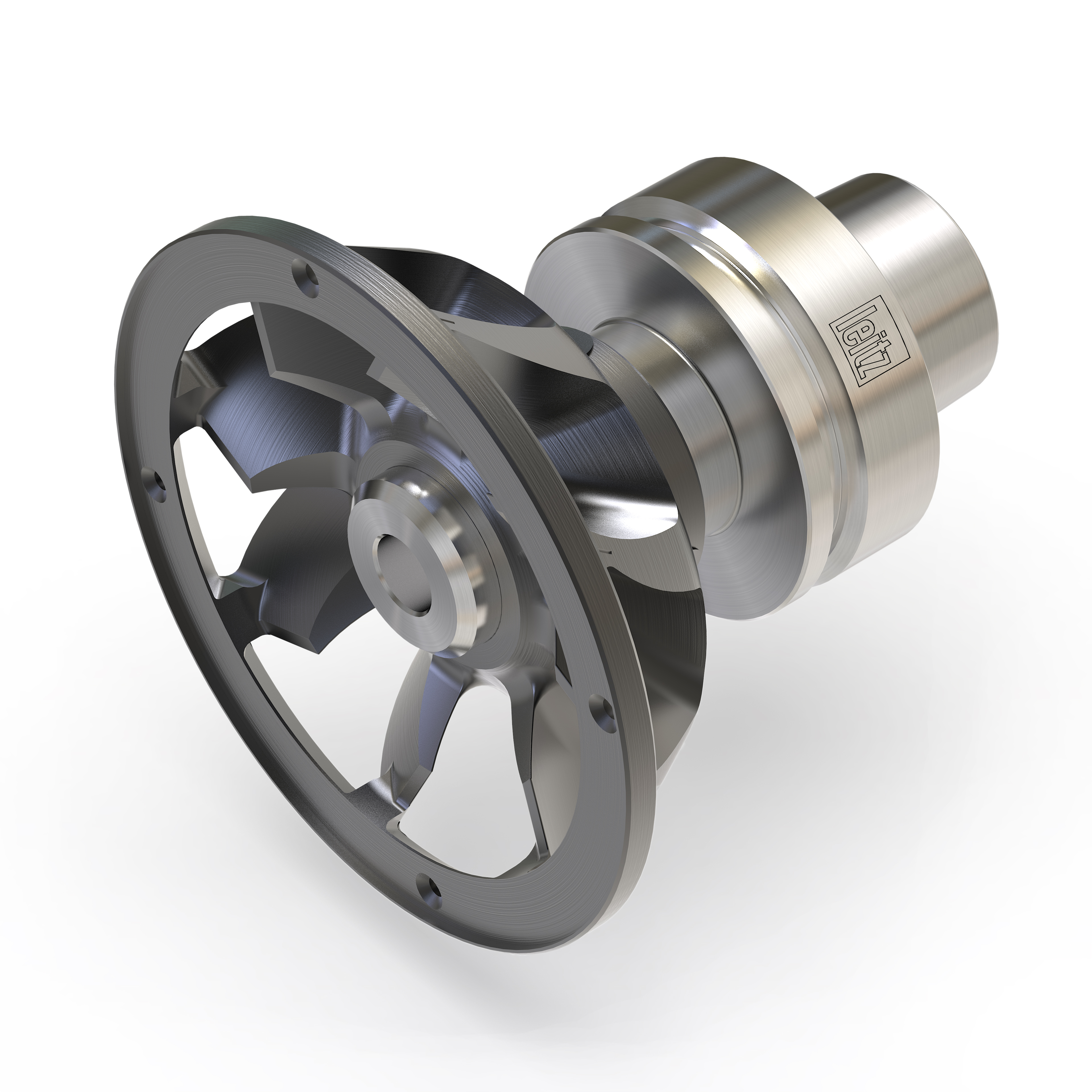
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ill. 1: With targeted chip and dust guidance, the DFC® turbine improves workplace quality, reduces energy consumption and maintenance requirements, and thus supports more environmentally friendly manufacturing. (Photo: Leitz)