

PRESSE INFORMATION

CHALLENGE COMPOSITE MATERIALS: EFFICIENT MACHINING WITH TYROLIT POWER

Glass, carbon and aramid fibres pose new challenges for a wide range of industries worldwide. Tyrolit will be presenting the comprehensive TYROLIT POWER range to the composites industry for the first time at JEC World 2023 in Paris. The new portfolio consists of innovative tools for cutting, grinding, drilling, milling and surface finishing of the most demanding workpieces made of composite materials.

Schwaz (Tyrol/Austria) April 2023:

Low weight, durability and freedom of design are properties of materials that are normally mutually exclusive - this is not the case in the composite industry. The innovative materials offer the ability to withstand high pressure and at the same time support the trend towards lightweight construction. Understandably, the complex materials present numerous industries with new challenges in production. Tyrolit is the partner for solving new types of problems and designing innovative production processes together with our partners.

Thanks to decades of experience in the manufacturing of grinding tools and numerous collaborations with renowned machine manufacturers worldwide, Tyrolit is able to provide its customers with economical and sustainable solutions for the processing of composite materials. Tyrolit has been offering high-quality solutions for the surface treatment of composites since 2017, and this portfolio is now being complemented by tools for all applications.

Machining of composites with TYROLIT POWER

The new TYROLIT POWER range is specifically designed for these difficult-to-machine materials and has been extensively tested on them, resulting in highly efficient machining processes and guaranteeing an unparalleled tool lifetime. Our portfolio includes products for cutting, grinding, drilling, milling and surface finishing of the most demanding workpieces with hand-held machines, semi-automatic robots and on high-tech CNC machines.

PRESSE INFORMATION

The new assortment offers solutions for every process step for the machining of composite materials and is designed to solve known problems. By using TYROLIT POWER, you increase process reliability in your production and homogeneous surface results are facilitated. In addition, the machines are equipped with special protective measures to improve the safety and health of users. The new tools generate less dust, minimise vibrations during machining and support ergonomic working. Our TYROLIT POWER products are already being used in numerous industries, for example for grinding rotor blades in the wind power industry, for matting surfaces in the aerospace industry, and also for machining lightweight components in the automotive industry.

Partnership and expertise with Tyrolit

A key factor in Tyrolit's success is its global network of experts who support you with technical issues and optimise processes in the machining of composites together with you. Tyrolit customers have a partner at their side who is familiar with the specifics of the industry and offers the necessary technical support worldwide. Thanks to the individual composition of a wide range of products, all work steps can be covered, and customer-specific solutions can be offered from a single source.

JEC World in Paris

The JEC World is the global trade fair for composite materials and their applications. This leading event for the industry brings together all the key players under the banner of innovation and networking. Tyrolit will also be taking part in the trade fair in Paris and will be presenting the new TYROLIT POWER composite range. A special highlight on our stand is an application booth that will be used for on-site product demonstrations.

Visit us from 05 – 07 March 2024 in Hall 5, Booth C58.

The Tyrolit Group

Tyrolit is a world leading manufacturer of grinding and dressing tools, as well as being a system provider for the construction industry. The family-owned company based in Schwaz, Austria, combines the dynamic strengths of the Swarovski Group with over a hundred years of commercial and technological experience.

PRESSE INFORMATION



Contact:

David Hawel

Communication Manager | Corporate Communication

The Tyrolit Group

david.hawel@tyrolit.com

+4366488112436