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Carbide as the ideal material for sophisticated structural components

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The use of carbide as a construction element has become indispensable in various sectors such as the chemical industry, plastics production, the food industry, blasting technology, the recycling industry and the health and hygiene sector. Carbide is characterised in particular by its wear resistance and is therefore a reliable option for components that have to withstand extreme loads. Whether impact stress, high pressure, high temperature or corrosion - carbide is often the only material that can cope with these requirements. Carbide tools can be manufactured either from solid carbide or as a composite material made from carbide and steel. Close cooperation between design and carbide production is crucial in order to find the best design solutions and optimally utilise the advantages of carbide.

From blank to ready-to-use cutting system

The carbide and tool specialist Boehlerit is presenting its latest ready-to-install cutting systems, which have been specially developed for existing and new production lines in the FemininCare and BabyCare sectors as well as other areas of application in the hygiene industry. The cutting systems offer the option of converting from steel/HSS to carbide in order to sustainably increase efficiency and service life. The cutting systems can be easily integrated into the production process by adapting the existing frame designs to suit the carbide. The grade is selected on an application and product-specific basis, with corrosion-resistant versions also available thanks to the company's many years of carbide expertise. Boehlerit's engineering team works closely with customers to design and manufacture customised solutions according to drawings or customer requirements. Reverse engineering is also possible in order to economically reproduce existing steel/HSS solutions from carbide. With its ready-to-install cutting systems, Boehlerit is once again setting standards in the industry and offering innovative solutions for efficient production.

Press release

The company

As a carbide pioneer, the Boehlerit Group is one of the world's leading manufacturers of wear protection solutions and cutting tools for machining metal and composite materials. With cutting materials, semi-finished products, precision tools and tool systems for milling, turning, grooving and forming, the family-owned company has been ensuring process reliability and efficiency worldwide since 1932. Around 800 employees offer customers comprehensive expertise in all aspects of metallurgy in order to realise process-optimised production technologies, the highest quality and a head start in tool productivity. With three production sites in Europe and Asia, international subsidiaries and a network of sales partners, the carbide and tool specialist has a global presence. Together with its two legally independent sister companies Leitz and Bilz, the Boehlerit Group forms the globally active Brucklacher Group, in which over 4,000 employees generate an annual turnover of around 450 million euros.

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Pictures

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