

Boehlerit Quattrotec – Intelligent turning-drilling applications with new EasySafe system now extended

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Pentatec, the universal turning-drilling tool, already replaces up to five ISO tools and reduces machining times by up to 30% as tool changing times and unnecessary tool movements are eliminated. The innovative, revolutionary Quattrotec tool system is the next step in this intelligent machining concept, and the new EasySafe fitting system with a notch constitutes yet another major advantage of this product.

With the introduction of the new Quattrotec tool system, Austrian carbide and tool specialist Boehlerit makes it possible for users to drive down costs further, in an even broader material range. Thanks to the special design of the base body, four machining operations – drilling into solid material (including off-centre drilling), inside turning, face cutting and longitudinal turning – may be performed with low vibrations and just a single tool. The EasySafe system is the uncontested highlight of the Quattrotec: A notch on the underside of the indexable insert ensures that it can be fitted into the seat speedily and 100% correctly. Easy to install, safe to use! In a tried-and-tested, highly diverse range of grades, Boehlerit combines substrates of different levels of hardness, with either a wear-resistant CVD coating or a universal, process-safe PVD coating. The Kapfenberg-based tool specialist uses different carbide substrates that are coordinated in such a way as to achieve optimised machining properties. The market launch already saw no less than six directly pressed grades, and two more ground varieties for non-ferrous metals will be added in the next development phase. The existing Quattrotec programme with diameters of 10, 12, 16 and 20 mm has also been expanded by two additional diameters, 18 and 25 mm. In addition, indexable inserts for aluminium machining were added to the programme for all six tool sizes.

The innovative Quattrotec tool programme reduces machining and tool changing times, saves tool places and makes it possible to drill with flat drilling base. At the same time, this highly stable tool system that was developed from scratch also offers improved process safety and increases efficiency and flexibility during application.

Press information

The company

Boehlerit, a family business that is part of the Brucklacher group (Leitz, Bilz and Boehlerit) and headquartered in the Austrian town of Kapfenberg, sets global standards with carbides and tools for the processing of metal, wood, plastics and composites. With cutting materials, semi-finished products, precision tools and tool systems for milling, turning, drilling and forming, Boehlerit ensures process safety and efficiency on a global scale. The company's extensive product portfolio includes highly specialised tools for the machining of crankshafts as well as for the mining industry, for bar peeling, tube and sheet metal processing and heavy-duty machining. The Boehlerit product range also features carbides for construction components and wear protection. When it comes to coating technology, Boehlerit occupies a unique position worldwide, ranging from the first-ever nano-CVD bonding layer to the hardest diamond layer worldwide. With its many years' experience in metallurgy, coating technology and state-of-the-art press technology, Boehlerit is a highly competent development partner for toolmakers.

Editorial queries

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Images:

Fig. 1: The innovative Quattrotec tool system from Boehlerit

