

Boehlerit GmbH & Co.KG
Werk VI-Straße 100
8605 Kapfenberg
Austria
Phone +43 3862 300-0
Fax +43 3862 300-796
info@boehlerit.com

Expanded multifunctional tool Pentatec – reduced costs for all main working materials

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Pentatec, the most universal multifunctional tool currently available in the field of lathe turning, drilling and core milling, has already displaced many an ISO tool on the market and thus reduced machining time by cutting down machining operations on steel and aluminium workpieces by at least 25%.

Now, Boehlerit helps save costs in an expanded range of materials using the multifunctional tool Pentatec.

Machining operations, such as drilling into the full (also from the centre), interior diameter turning, transverse turning, longitudinal turning, and core milling, were shifted to austenitic stainless steels by the LCM45T grade. In addition, this successful range of tools was expanded to include the Pentatec Mini, Ø 6, which, thanks to the innovation of a lasered chip breaker grade, ensures safe chip breaking even with smallest feeds.

The full Pentatec programme, ranging from Ø 6 to Ø 26, reduces the use of ISO tools and decreases machining time, saving costs with all main working materials (steel, stainless steel, cast materials, and aluminium).

Press release

The company

Boehlerit, 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 holds a global monopoly, 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.

Press/media contact

Manuel Hofstadler

Mag.

Head of advertisement

Phone: +43 3862 300-586

Fax: +43 3862 300-793

E-Mail: manuel.hofstadler@boehlerit.com

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Abb. 1: Pentatec Image

