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Microtec - Highest productivity with the smallest bores

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The new Microtec tools for internal machining with additional holder are an innovative solution for turning small and narrow bores. They offer a number of advantages over conventional clamp holders, including simple tool assembly. The new Microtec tools consist of two parts: the clamping body and the drill shank. The Microtec basic holder is permanently mounted in the machine so that it only needs to be installed once. The clamping body is permanently mounted in the machine and has a holder for the drill shank. The boring bar can be replaced without removing the entire holder, making it easier and quicker to change the indexable insert. This saves time and increases productivity as the risk of losing the screw or insert during assembly is minimised. There is also no need for re-setting after changing the insert. The Microtec has a prefabricated stop that enables the boring bar to be reinstalled in the correct position.

The Microtec system tools for internal machining with holder are ideal for turning small and narrow bores and are frequently used in micromechanics, medical technology and the aerospace industry. The five available boring bars are available for different bore diameters and cutting edge angles and can be used with the existing Minitools CCGT030102, DCGT and VCGT.

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 know-how in all aspects of metallurgy in order to be able to realise process-optimised manufacturing technologies, the highest quality and an edge 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

Abb. 1: The Microtec system tools for internal machining with holder are ideal for turning small and narrow bores.

