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**Innovative thread rolling process with Wagner rolling systems powered by Boehlerit:  
Highest precision and efficiency**

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The Styrian carbide and tool specialist Boehlerit has concluded a worldwide sales co-operation (with the exception of Germany) for thread rolling systems with Wagner Tooling Systems Baublies GmbH from Pliezhausen in Germany. Thread rolling is an advanced technique for producing threads by cold forming the material using high pressure. A permanent plastic deformation is achieved, whereby thread rolling precisely displaces the material from the thread core and directs it towards the thread tips. Thanks to this method, the fibre flow in the metal is not interrupted, but merely changed in order to produce threads with high strength, profile and dimensional accuracy.

The rolling systems from Wagner Tooling Systems are known for the production of external threads of the highest surface quality that can withstand high loads. Thanks to the precise production and combination of materials that are specially designed for the requirements of chipless forming technology, Wagner rolling systems guarantee outstanding quality and enable high rolling speeds. The various models, including the HELIX axial rolling systems, the RS axial rolling systems (stationary) and the tangential rolling systems, offer specific advantages for precise thread production in various application areas. The HELIX axial roller systems are characterised by their compact design and large roller diameters, while the RS axial roller systems impress with their interchangeable roller holders and versatile application options. The Wagner axial rolling systems are available in various sizes and are ideal for machining workpieces from M2.5 to MF75. The tangential rolling systems enable efficient production of threads behind and close to a collar, as well as threads where the workpiece end is not free and threads with a very short run-out. For maximum productivity and the best rolling results, Wagner has customised solutions with the use of precise thread rolls that optimally match the diameter, pitch and shape of the thread to be rolled. The Wagner tangential rolling systems are available from Boehlerit in various sizes and are ideal for machining workpieces from M1.6 to MF52 mm.

## 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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