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Universal steel machining at top level

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Striving for more universality, longer service life, more machining reliability and reliable chip breaking when turning steel, Boehlerit uses many of its patented innovations in its latest innovative cutting material. The new gradient carbide for the universal LCP25T universal turning grade (ISO application range P25) that was presented at EMO Hanover 2013 ensures a high degree of machining reliability on an extremely wide range of steel materials. The patented Nanolock TiCN bonding layer safely bonds the significantly harder Alpha-Al₂O₃ (with better insulating properties) to the patented Yellow- Al₂O₃ layer. This innovative cutting material with an extremely thick carbide layer in combination with the geometries that have been developed in the Boehlerit chip channel, increases the service life by 60% ensuring the highest degree of universality in steel machining. The new, universal LCP25T turning grade has been developed especially with small and medium-sized companies in mind, customers who are often faced with new challenges when it comes to steel components and ensuring economic efficiency of turning operations. Boehlerit is the ideal, innovative partner for such tasks. Its outstanding achievements earned the company a particular distinction: A Boehlerit patent was elected among the top 10 of 3,300 Austrian patents registered in 2012.

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

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Pictures

Abb. 1: LCP25T Image

