

## High-performance grade from Toolmaker Solutions by CERATIZIT for the machining of difficult materials

### Extended stock range for GrindTec 2018

CERATIZIT S. A., Mamer, Luxembourg (headquarters), 12 March 2018

**In response to high customer demand, the CERATIZIT Group now offers from stock rods with two helical coolant holes, as sintered, in the new high-performance grade CTS24Z. This carbide grade is ideal for the machining of difficult materials like titanium or corrosion-resistant alloys for high-temperature applications.**

Having virtually the same hardness as the proven CTS18D and CTS20D grades, CTS24Z features even higher toughness. In everyday production this provides maximum protection against breakage and ensures consistent performance of the tools. Hence the new submicron grade excels in aerospace applications which make exceptional demands on the tooling systems.

#### **Greatly increased tool life**

The titanium alloy Ti-6Al-4V is frequently used in the aerospace industry and medical systems sector. Comparative tests when machining this material have shown that tool life can be greatly increased compared to conventional carbide grades using CTS24Z.

#### **Extended stock range**

Ever since EMO 2017 solid rods have been available from stock in grade CTS24Z, both ground and as sintered. The rods in the as sintered version with two helical coolant holes are a useful addition to the CTS24Z stock range of the CERATIZIT Group. As always, toolmaking companies can order the products from the company's E-Techstore for delivery on the following work day by noon if the order is placed by 6.30 pm (CET).

**Toolmaker Solutions by CERATIZIT at GrindTec 2018:**

**14 to 17 March 2018, hall 5, stand 5031**

**Text captions:**

Picture 1: Ground solid rods and rods as sintered with two helical coolant holes in CTS24Z

Picture 2: Tool life comparison between CTS24Z and conventional carbide when machining Ti-6Al-4V

**Press contact**

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### **Toolmaker Solutions by CERATIZIT – carbide for all requirements**

As the competence brand Toolmaker Solutions by CERATIZIT, the CERATIZIT Group develops and manufactures innovative solutions for tool manufacturers. This includes rods and preforms for solid carbide tools as well as carbide inserts for the machining of wood, stone, metal and composite materials. An extensive range of standard tools with high availability gives customers decisive competitive advantages in their price segment. Products not covered by the standard range, are developed by the carbide experts on an individual basis and in close collaboration with the tool manufacturers.

### **CERATIZIT – passion and pioneering spirit for carbides**

For over 95 years, CERATIZIT has been a pioneer developing exceptional hard material products for cutting tools and wear protection. The privately owned company, based in Mamer, Luxembourg, develops and manufactures highly specialised carbide cutting tools, inserts and rods made of hard materials as well as wear parts. The CERATIZIT Group is the market leader in several wear part application areas, and successfully develops new types of carbide, cermet and ceramic grades which are used for instance in the wood and stone working industry.

With over 9,000 employees at 34 production sites and a sales network of over 70 branch offices, CERATIZIT is a global player in the carbide industry. As a leader in materials technology, CERATIZIT continuously invests in research and development and holds over 1,000 patents. Innovative carbide solutions from CERATIZIT are used in mechanical engineering and tool construction and many other industries including the automotive, aerospace, oil and medical sectors.

The internationally active CERATIZIT Group unites the four competence brands Cutting Solutions by CERATIZIT, Hard Material Solutions by CERATIZIT, Tool Solutions by CERATIZIT and Toolmaker Solutions by CERATIZIT. The carbide expert also includes the subsidiaries WNT and CB-CERATIZIT, as well as the tool manufacturers Günther Wirth, PROMAX Tools, Klenk, Cobra Carbide India, Becker Diamantwerkzeuge, Best Carbide Cutting Tools and KOMET.