Press release

ZCC CUTTING TOOLS EUROPE GmbH

Maximum precision in your milling and drilling operations with ZCC-CT Europe at your side

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New products for every season: As winter gives way to spring, ZCC Cutting Tools Europe is kicking off 2025 by launching three new products. The company is constantly adding new tools to meet the needs of every market, each one optimised to deliver maximum efficiency and productivity.
This spring, the focus is on tools used to perform a range of tasks, such as the UL deep hole drill series designed for maximum precision in drilling applications. Another is the XMR12 high-feed milling cutter that ensures fast, highly efficient milling processes, additionally supported by the QCH XM-2 series of deburring cutters which feature an interchangeable head.

The new UL series of deep hole drills

Users face a variety of major challenges when it comes to deep hole drilling in difficult-to-machine materials. These include poor chip control and removal, high cutting forces and imprecisely drilled boreholes, leading to lower productivity and shorter tool life

The new cutting edge design in the UL series from ZCC-CT Europe reduces cutting forces to a minimum, which reduces the stress placed on the tool and extends the tool's life. Higher feed rates are made possible thanks to a larger clearance angle, helping to increase productivity sharply, while enhanced chip breaking ensures controlled chip removal and, in turn, increases process reliability. Four support chamfers provide for maximum precision, precise tool guidance and a high surface quality, making the UL series the perfect choice for deep hole drilling operations. The new KDG305 grade is extremely resistant to wear and heat, all of which makes it a great option for difficult-to-machine materials.
The UL series can handle diameters spanning **3.0 to 20.0 mm** in lengths of **10xD, 20xD and 30xD**, which is why the tools are ideal for a wide range of applications.
The UL drills deliver reliable, high-precision results and exceptional surface quality whilst also boosting productivity even in complex deep hole drilling processes.

The new XMR12 high-feed milling cutter

The **XMR12 high-feed milling cutter** is the most efficient and stable solution for milling applications where maximum productivity and precision are required. It is highly versatile thanks to the wide array of applications it can perform, ranging from face milling to full slotting and ramping.
The XMR12 milling system delivers excellent performance even in complex applications, including the machining of steel, stainless steel and cast materials. Its positive cutting geometry reduces cutting forces and allows for low-vibration machining, guaranteeing high surface qualities. Double-sided inserts ensure maximum efficiency and stability, whilst the finer pitch and large number of insert seats available make higher feed rates and therefore high chip removal rates possible.

The system is available as an end mill, a shell-type milling cutter or an indexable head for diameters ranging from 16 to 63 mm. With its high-performance ENMX12-GM inserts made of the PVD grade YBG205H, the new system offers maximum reliability in a wide range of machining tasks. In summary, XMR12 high-feed milling cutter boosts productivity, reduces machining times and delivers top-quality results.

The new QCH XM-2 series of deburring cutters with interchangeable heads

There are a number of possible obstacles faced in deburring operations that have a negative impact on the machining process and on the quality of the end product. These include low-quality cutting edges, imprecise machining results as well as heavy wear and tear. Beyond that, machining a variety of contours and materials requires a high degree of flexibility to achieve precise results.
The **QCH XM-2C series** was developed to optimally overcome each of these challenges. With their patented Q interface, the deburring cutters deliver perfect concentricity and maximum change-over accuracy, which ensure precise results every time. The numerous combinations possible for countersinking holes and deburring complex contours with maximum precision are a key feature of the product series.
Thanks to the **KMG405** cutting material grade and its high-performance AlCrN PVD coating for maximum wear resistance and tool stability, the deburring cutters are the perfect choice for machining steel, stainless Steel and cast iron materials. The line of cutters is available for diameters ranging from 10.0 to 16.0 mm. It also includes 60°, 90° and 120° models, meaning that the cutters can be used in a broad variety of applications. The QCH XM-2C series from ZCC-CT Europe is an efficient, high-precision solution designed to meet the highest standards in deburring.