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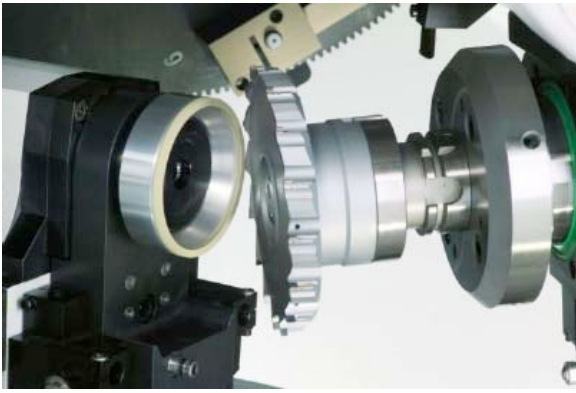
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VOLLMER Technology Utilized by KOMET In PCD Tool Production

Carnegie, PA...Vollmer QXD200 is the technology of choice for global cutting tool manufacturer KOMET. According to Dr. Reinhard Durst, Head of Research and Development of Carbide Tools at Komet, "Regardless of whether it's in planes, wind farms or cars, in the future these products will increasingly contain light and resistant composite materials. In order to process these materials efficiently and economically, the lifespan of blunted PCD tools must be increased. Today, with the automatic polishing process of the QXD200 from Vollmer, we have achieved this."

Since the manual polishing process for PCD milling tools is very time-consuming and work-intensive, Komet decided to introduce an automatic polishing process. The basis of this is the Vollmer QXD200 universal machine, which Komet has customized with Vollmer to achieve its desired requirements. The result is automated clamping for the polishing process, which can be applied to various PCD milling tools. The oscillating polishing process is configured so that the diamond grinding disc only polishes the PCD blades directly behind the bevel. This leads to shorter processing times and less wear on the polishing disc. A typical PCD face milling cutter, eroded by the QXD200 in approximately four and a half hours, can then be fully polished within just 30 minutes.

"Polishing with a manual machine would take at least three times longer than with the QXD200," says Dr Reinhard Durst. "In addition, automatic polishing ensures constant quality in our PCD milling tools."



KOMET Group GmbH erodes and polishes its PCD milling tools with the Vollmer QXD 200 universal machine.

In addition to the production of Komet standard milling tools, the QXD200 is used for special designs commissioned by customers. Komet expects a significant increase in the number of standardized milling tools in the PCD field in the near future, made possible thanks to the QXD200. Apart from the QXD200, Komet is using more Vollmer eroding machines in its production of PCD precision tools.

"We are bound to the Komet Group by more than just a deep-rooted customer relationship, because together we have already taken important innovative steps in PCD processing," says Dr. Stefan Brand, Managing Director of the Vollmer Group. "We are expanding perfectly as one of the technology leaders in our markets as we plan today for the challenges that the metal industry will face tomorrow."

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About Vollmer Of America

The VOLLMER Group has evolved as the specialist in re-sharpening and production of PCD tooling, Carbide-tipped circular saws, HSS circular saws, and Band saws. VOLLMER Technology & service offers the latest in grinding, erosion and conditioning machines for tooling and circular saw and band saw blades used in woodworking, metal-cutting, and the processing of composite materials.