

# CUTTING TOOL ENGINEERING®

December 2019

## Lach Diamond celebrates 50th anniversary of a technology innovation

In 1969, during a spring trade show in Hanover, Germany, Lach Diamond reports that the company was the first manufacturer worldwide to demonstrate the grinding of HSS and high-alloy steel on a tool grinding machine.

The experts were amazed – because it was the first time they saw HSS chips “produced” during grinding.



*The first Borazon/CBN presentation at a trade show in Hanover in 1969.*

At the same time, the first CBN grinding wheel for dry grinding of an HSS milling cutter had its premiere. These were the beginnings of Lach Diamond's grinding wheels first known as Borazon – a trademark of General Electric, at that time a manufacturer of superabrasives: K-MX for resinoid bonds, Bz-Mx for metal bonds.



*Deep grinding with »contour-profiled«, metal-bond diamond and CBN profile grinding wheels, showing a 400 mm-dia. CBN grinding wheel on a mini »contour-profiled« spark grinding machine EDG-plus.*

Today, in 2019, with a view to the international GrindTec tradeshow in Augsburg, Germany, from March 18 to 21, 2020, Lach Diamond offers a selection of conventional diamond dressing tools, dressing rolls and diamond and CBN grinding wheels, as well as trend setting developments that were in recent years advertised under the slogan "Future for Today."

After 50 years of Borazon, which was originally advertised as the abrasive of a new era, the culmination of success was the metal-bond profile grinding wheel »contour-profiled« - a time and cost killer for production grinding of high-alloyed steel, regarding profiles.

To date, Lach Diamond has not only solved challenging grinding tasks, but has also developed a special electrical discharge (EDG) profiling machine for regrinding precise concave and convex profiles of 2 to 4  $\mu\text{m}$ . It is available for service and for resale.



*The »contour-profiled« spark grinding machine EDG-plus by Lach Diamond.*