



# high precision tooling

Machine Tools, PCD, PVD, CVD, CBN, Hard Metal

March 2020

## materials & tools



### 50 years Borazon™ - CBN grinding wheels

... and another anniversary for pioneer LACH DIAMANT

In 1969, during the spring tradefair in Hanover, LACH DIAMANT 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 (high speed steel) chips «produced» during grinding...



«Start with Borazon™» - NASA gave permission to use the «moon spider», visible in the background of the picture, for advertising

a new era - the unchallenged 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 DIAMANT has not only solved unimaginable grinding tasks, but has also developed a special electrical discharge (EDG) profiling machine for regrinding even the most precise concave and convex profiles of 2-4 μ. It is available for service and for resale.

GrindTec 2020, hall 1, booth 1076



First Borazon™/CBN presentation stand at the spring tradefair in Hanover in 1969 (™ General Electric)



Revolutionary deep grinding with «contour-profiled», metal-bond diamond and CBN profile grinding wheels - showing a CBN grinding wheel (© 400 mm) on a mini «contour-profiled» spark grinding machine EDG-plus

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 DIAMANT's grinding wheels first known as Borazon™ - a trademark of General Electric, at that time a manufacturer of super-abrasives: K-MX for resinoid bonds, Bz-Mx for metal bonds.

Today with a view to the international GrindTec tradeshow in Augsburg, from March 18th to 21st, 2020, LACH DIAMANT offers a proven selection of conventional diamond dressing tools, dressing rolls and diamond and CBN grinding wheels as well as trendsetting developments which were in recent years advertised under the slogan «Future for Today».

After 50 years of Borazon™ - originally advertised as the abrasive of a



Featuring the «miracle machine» - the «contour-profiled» spark grinding machine EGD-plus by LACH DIAMANT