

## LACH DIAMANT celebrates 95 years of success

### From traditional beginnings to innovative production of diamond tools

German manufacturer LACH DIAMANT was founded in Hanau in 1922 by Jakob Lach, initially specialising in the cutting of diamonds. In 1932, industrial and diamond tools were added, and in its heyday the company employed 600 diamond grinders. The jewellery diamonds were finally replaced in 1950.

Since then, strengthened by new technologies such as the development of synthetic diamonds, the company has become a worldwide leading manufacturer of diamond and CBN tools as well as a supplier of special machines for the manufacture and sharpening of all polycrystalline diamond tools for the processing of aluminium and plastics (PCB, GRP, GFRP etc.) as well as wood and wood-like materials.



Horst Lach (left), Dipl.-Ing. Robert Lach (right)

"When I founded my diamond grindery in 1922, I never would have thought that LACH DIAMANT would one day be a pioneer in the manufacturing of diamond tools," said Jakob Lach, the founder of LACH DIAMANT, in the early 80s.

Even today, LACH DIAMANT maintains the tradition of grinding diamonds, for example for dressing and profiling of conventional grinding wheels!

The development of polycrystalline diamonds have directly or indirectly influenced our daily life since the end of the 1950s until today. Examples are technological advances in the automobile, aircraft and wind engine industries as well as in manufacturing of furniture and wood parquet flooring.

All of the above developments are closely connected to the name LACH DIAMANT, a worldwide renowned pioneer for inventions and innovations.



LACH DIAMANT presents Future for Today at EMO 2017

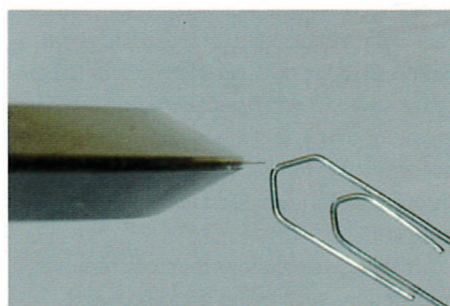
In its anniversary year in 2017, LACH DIAMANT will exhibit at EMO in Hanover, the largest European trade show for tools and tooling machines, and the company will present how LACH DIAMANT tools and grinding wheels have accelerated many technical innovations during the last fifty years.

To this day, LACH DIAMANT is still a family-owned company, in the second and third generation, managed by Horst Lach and Dipl.-Ing. Robert Lach and assisted by Iris, Annabelle and Denise Lach, with headquarters in Hanau and a manufacturing shop in Lichtenau near Chemnitz.

LACH DIAMOND INC., based in Grand Rapids, Michigan, can reflect on 35 years of qualified service and state-of-the-art manufacturing for customers in North America and Canada.

#### New UltraThin precision cutting wheels

Announced at the AMB exhibition in September, LACH DIAMANT has developed new technologies to allow for the production of diamond and CBN cutting wheels with a cutting width of up to



LACH DIAMANT UltraThin cutting wheel with a cutting width of 30 µm shown in comparison with the size of a paper clip

0.02 mm (20 µm), which can be increased in µm increments.

UltraThin by LACH DIAMANT is a multi-part precision cutting wheel, available in resin, metal and electro-plated bonds, with a diameter of up to 500 mm. Cutting width varies according to the respective diameter.

Cutting depths of up to 15 mm, even in extremely rigid surfaces, are possible with LACH DIAMANT's UltraThin cutting wheels.

The innovative core system of UltraThin provides not only the lowest cutting widths, but also allows a multiple re-coating of the diamond and CBN grinding layers, so that the cores can be reused multiple times.



A fully assembled UltraThin cutting wheel

UltraThin precision cutting wheels meet the highest requirements, even micromechanical specifications. Applications include: chip breaker grooves in the micro tool industry; examples from medical technology are grinding of wire rolls, or machining of green ceramic and semiconductors. There are many other possible applications for this amazing innovation.

**LACH DIAMANT**  
**Jakob Lach GmbH & Co. KG**  
**Tel: 0049 6181 103822**  
**Email: office@lach-diamant.de**  
**www.lach-diamant.de**