GRINDING & SURFACE FINISHING

June 2020

LACH DIAMANT innovation at AMB in Stuttgart

DragonFly makes tooth-face grinding more efficient

The newly developed diamond grinding wheel for the tooth-face grinding of diamond grinding wheels provides supreme process reliability and stability.

LACH DIAMANT's DragonFly grinding wheels show supreme durability, stability and process reliability during continuous operation. This allows for reduced production and regrinding costs, while still providing highest precision.

The unique support system with 3-dimensional geometry and extended grinding layer allows the grinding of even the narrowest tooth pitch. It is possible to operate with higher speeds and infeeds. This shortens grinding time significantly and increases the cut volume. The results are impressive: exemplary straight surfaces without any deformations.

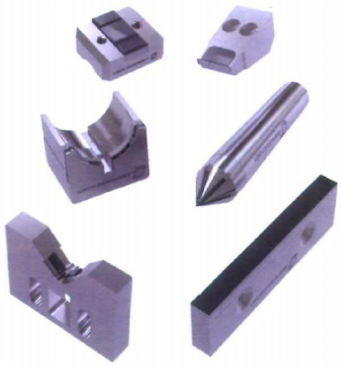
More information about DragonFly diamond grinding wheels for the face, back and side grinding of carbide studded saws is available at AMB 2020 from LACH DIAMANT or in advance via email to office@lach-diamant.de.

Diamond-coated wear parts in series manufacturing

For a long time, diamonds, preferably polycrystalline synthetic diamonds (PCD), have been proven superior to carbide in machining. However, why should diamonds as wear protection for tool and grinding machines be only available to a small, pro-active user group? Diamonds are not only a girl's best friend!

At AMB in Stuttgart, LACH DIAMANT presents many ways to use diamonds as wear protection and to profit from its superior hardness.

Examples include: centring tips, bezels, prisms as well as bearing shells, templates and guide rulers, in addition to PCD-tipped knives for plastic granulates and diamond-coated guide elements for the paper and printing industries.



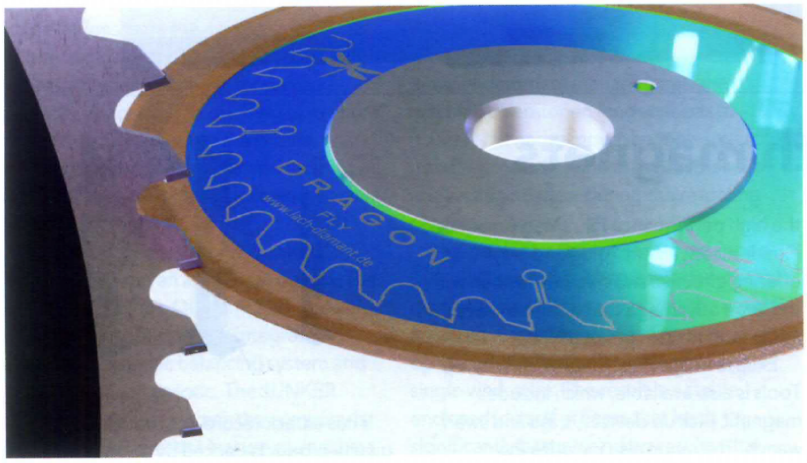
Some examples of wear parts developed by LACH DIAMANT

Talking to LACH DIAMANT will help to identify solutions which comply with your requirement for more cost-efficient production processes and less downtimes.

Jakob Lach laid the foundation for the present company in 1922. In the beginning, in Hanau, the city of precious jewellery, natural diamonds were cut into jewellery diamonds, called brilliants by up to 600 diamond cutters. In 1932 industrial diamonds and diamond tools were added, which, in 1950, finally replaced the jewellery diamonds.

Before the background of a modern industry, strengthened by new technologies, such as the development of synthetic diamonds, LACH DIAMANT became a worldwide leading manufacturer of diamond and CBN tools and a supplier of special machines for the manufacturing and sharpening of all polycrystalline diamond tools for the processing of aluminium and plastics (PCB, GRP, GFRP etc.) as well as all wood and wood-like materials.

For good reasons, LACH DIAMANT today is considered the pathfinder of indispensable pioneering work. The development of the company can be considered the "Who is who" in diamond and CBN tool manufacturing.



The innovative DragonFly provides highest precision and stability during the machining of carbide-studded saws

Operating Parameters

Cooling Lubricant	Oil or synthetic
Workpiece	Carbide studded circular saw
Infeed	a_e = up to 0.3 mm
Infeed Speed	v_f = up to 8 mm/s

Operating parameters for the efficient tooth-face grinding of carbide-studded circular saw blades

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