

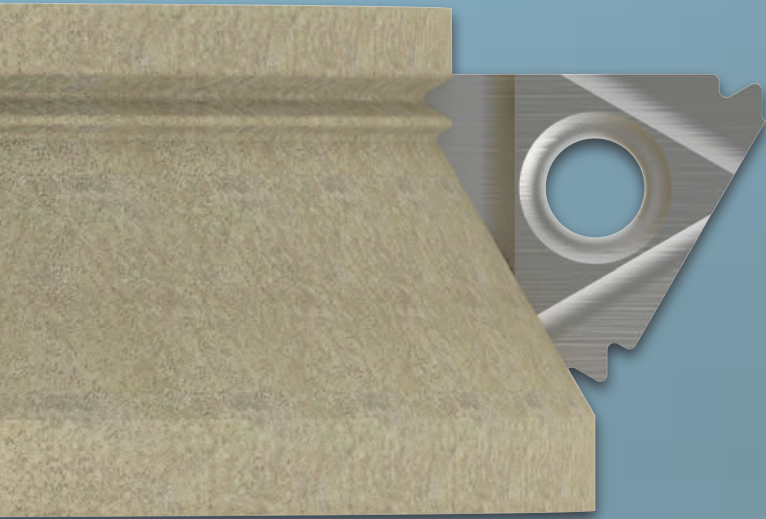
LACH DIAMANT ***Profile Grinding*** ***»contour-profiled«***

fast
precise
cost-effective



World Premiere
EMO 2017

The new dimension for the profile grinding of solid carbide, hardened steels and ceramics in serial production



LACH Diamond »contour

The cost killer for the deep feed grinding of hardened steels and ceramics in series

Why »contour-profiled«?

Profile Options

almost any profile is possible with minimal tolerances up to **0,005 mm** - internal and external radii

Costs for Abrasives

can be reduced up to **factor 8** - only one »**contour-profiled**« grinding wheel replaces the up to now necessary wheel set.

Profile Duration - Tool Life

approximately **25 times** higher profile duration - for example solid carbide thread cutting inserts - compared to a resin-bond wheel set.

Time Savings

on average **35% - up to 60%** higher feeds per workpiece possible

Profile Width and Depth

the entire diamond or CBN coating - width and height - can be used for the contour - even wheels with large full radius.

Service – Reprofileing

»contour-profiled« grinding wheels can be reprofiled **multiple** (!) times, without problems with contour repeatability. No profile distortion during new manufacturing or reprofileing.

The profiling of metal-bond grinding wheels »**contour-profiled**« is based on the discovery “gentle touch grinding” (Original LACH EDG process - Electrical Discharge Grinding) of Horst Lach 35 years ago for shaping polycrystalline diamonds. This process has now been modified for metal-bond grinding wheels (Pat. EP 0076997).

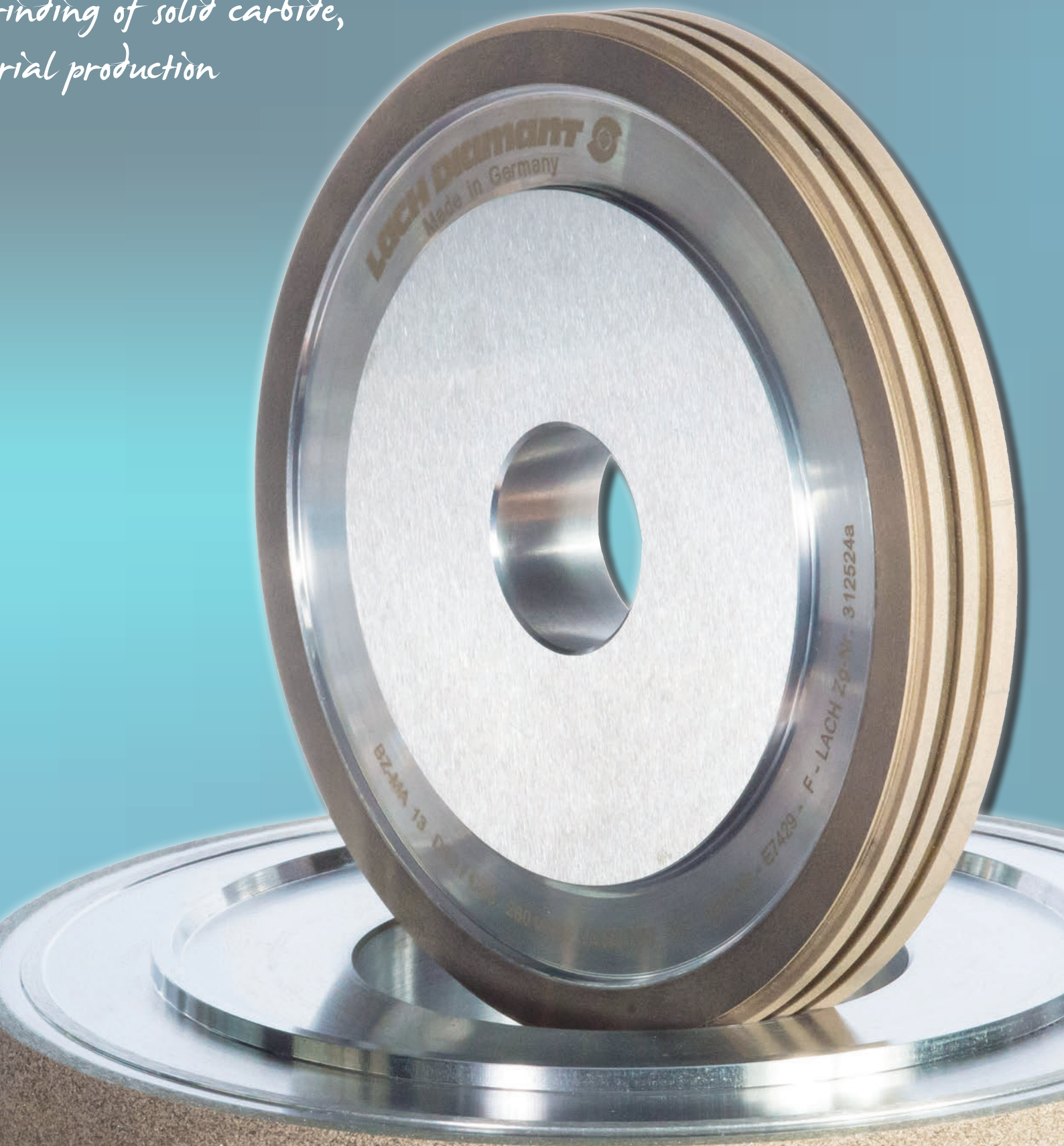
Would you like to cut costs and produce faster and with higher precision?

Please specify your application.

We will be pleased to advise you.

and CBN Grinding Wheels «*Profiled*»

*Grinding of solid carbide,
material production*



LACH DIAMANT®

Your Innovative Partner

Reliable, Customer-oriented, and Ready to Provide Customized Solutions

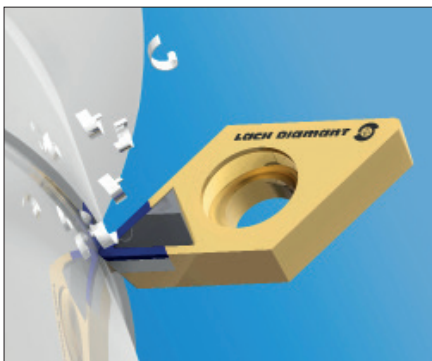


Head Office and Plant in Hanau near Frankfurt, Germany



Plant in Lichtenau near Chemnitz, Germany

Built in 1997 – expanded in 2007 and 2012 - Plant for polycrystalline diamond and CBN tools (PCD and PCBn)



LACH DIAMANT Innovations

Example: »IC-plus world´s best«
PCD chipbreaker - world innovation
(pat.) at EMO 2017 - process-reliable
from 0,01 mm cutting depth (ap), feed
up to maximum cutting edge length.
Indispensable for cutting non-ferrous
metals in serial production.



LACH DIAMANT Service

Resharpener and regrinding service
for all PCD and CBN (PCBn) tools,
MCD and CVD, and natural diamonds.
Reprofiling of diamond and CBN grinding
wheels, recoating of electro-plated
diamond tools.



LACH DIAMOND INC., Grand Rapids/Michigan/USA

Production and service facility of poly-
crystalline diamond and CBN tools for
the automobile and aviation industries
and for the wood, plastic and composite
industries.

Jakob Lach GmbH & Co. KG
Donastr. 17 · D-63452 Hanau/Germany
Tel. +49 6181 103 0
Fax +49 6181 103 860
www.lach-diamant.de
office@lach-diamant.de

