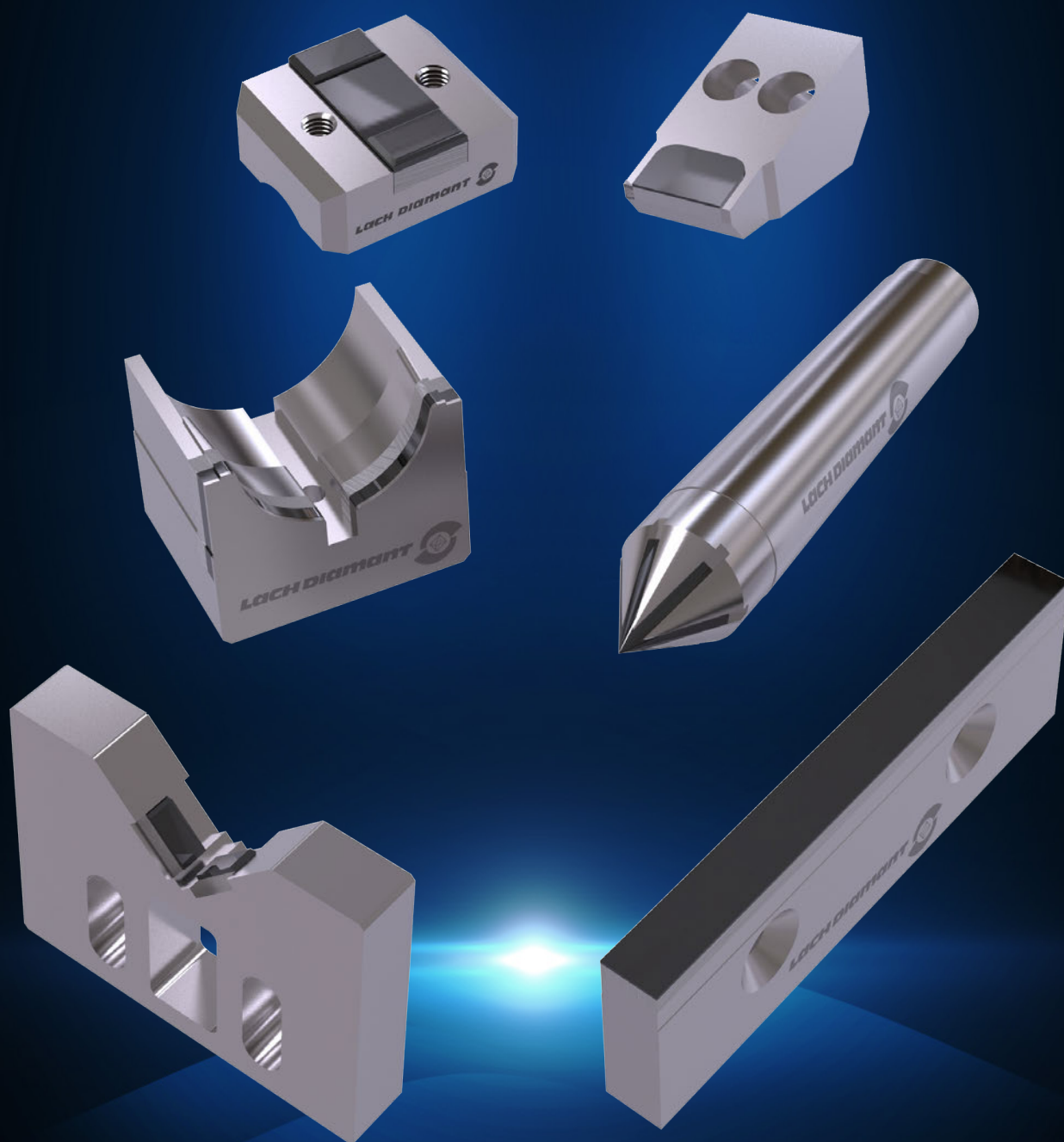


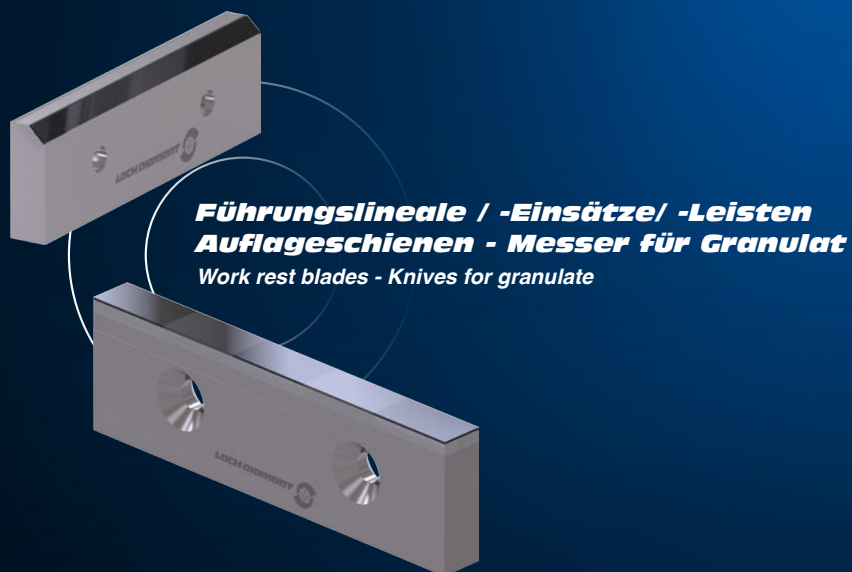
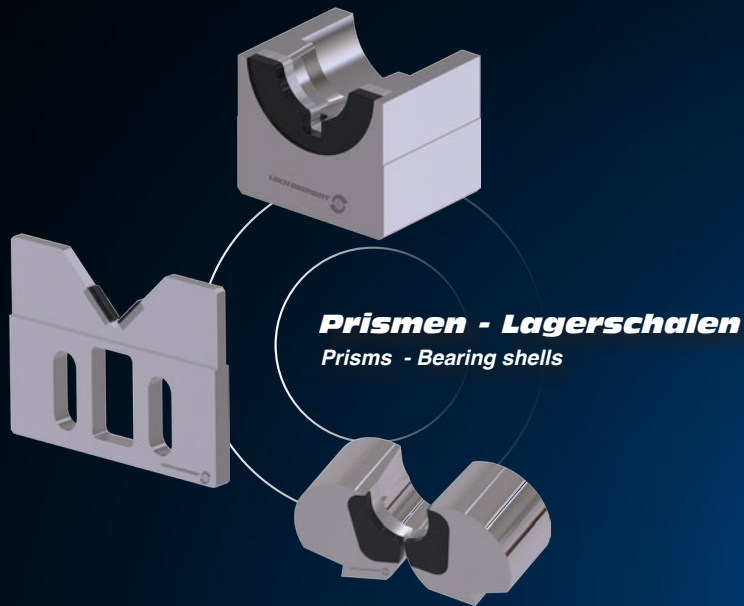
LOCH DIAMOND

PCD Wear Parts

The guarantee for a precise manufacturing



PCD Wear Parts for



Diamonds are not only a girl's best friend“

– sondern auch der ideale Verschleißschutz und Garant für maximale Präzision und Standzeit für Werkzeugmaschinen in der Serienfertigung – insbesondere wenn wir von dem aufgrund seiner Härte (fast) unverwüstlichen „Alleskönner“ – dem polykristallinen Diamanten (PKD) – sprechen.

Die Wahl, den polykristallinen Diamant nicht nur für die Zerspanung von NE-Metallen sondern auch für den Verschleißschutz einzusetzen, geht auf das Jahr 1973 und der weltweit ersten von LACH DIAMANT gefertigten PKD-Werkzeuge für das Überdrehen von Kupfer-Kollektoren zurück.

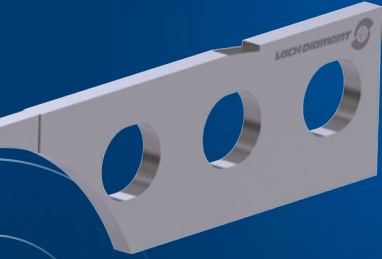
Dieses Know-how wurde Grundlage zur Entwicklung einer breiten Anwendungspalette für den Verschleißschutz unterschiedlicher Komponenten in Werkzeugmaschinen und spitzenlosen Rundschleifmaschinen u.a.

So ergeben sich Anwendungen wie beispielsweise für Prismen, Lagerschalen, Zentrierspitzen, Lünettensteine, Gleitschuhe, Kopier- bzw. Führungsliniale und Stanzmesser – wobei die hier gezeigten Beispiele nur eine Auswahl der vielfältigen Möglichkeiten sein können.

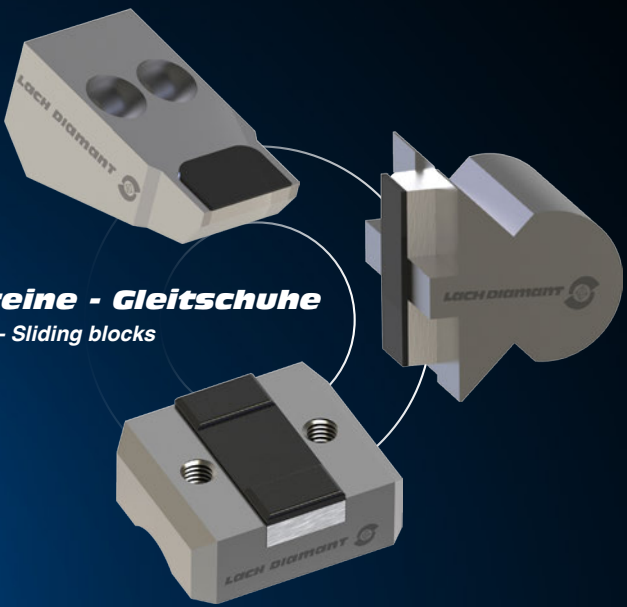
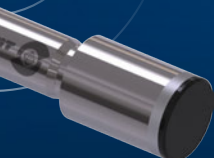
precise Manufacturing



Centriertspitzen
Center points



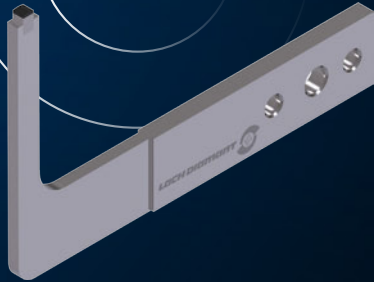
Arbeitsbleche
Work rest blades



Lünettensteine - Gleitschuhe
Steady rest blocks - Sliding blocks



Bügelmessschraube
Messtaster
Micrometer
Measuring probe



“Diamonds are not only a girl's best friend”
– but they play an important role for wear protection and guarantee maximum precision and overall equipment efficiency (OEE) for machine tools in serial production – especially when referring to polycrystalline diamond (PCD) which is an (almost) indestructible “all-rounder” due to its hardness.

The decision to use polycrystalline diamonds not only for the machining of non-ferrous metals but also for wear protection, goes back to the year 1973 and the world's first LACH DIAMANT made PCD tools for the turning of copper commutators.

This know-how became the basis of a broad range of applications for wear protection of different components in machine tools and centreless cylindrical grinding machines i.e.

There are applications as for example for prisms, bearing shells, centre points, steady rest blocks, sliding blocks, work rest blades and punching knives – please note that the examples shown here are presenting a small selection of the numerous possibilities only.

LACH DIAMOND

Your innovative Partner

Reliable, customer-oriented, and ready to provide customized solutions

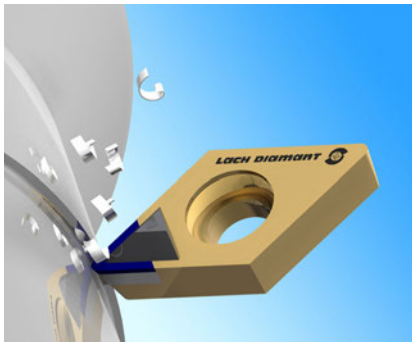


LACH DIAMOND INC., Grand Rapids/Michigan/USA



Plant and Headquarters in Hanau/Germany

Production and service facility of polycrystalline diamond and CBN tools for the automobile and aviation industries as well as for the wood, plastic and composite industries.



LACH DIAMOND Innovations

Example: »IC-plus world's best« PCD chipbreaker - world innovation (pat.) – process-reliable from 0.01 mm cutting depth (ap), feed up to maximum cutting edge length.



LACH DIAMOND Service

Resharpener and regrinding service for all PCD and CBN (PCBN) tools, MCD and CVD and natural diamonds - also for tools from other manufacturers.



Plant in Lichtenau near Chemnitz, Germany

Manufacturing plant for polycrystalline diamond and CBN tools (PCD and PCBN).

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