



Grinding wheels can be re-profiled multiple times

LACH DIAMANT »contour-profiled« profile grinding wheels open a new dimension in the deep grinding of carbide, hardened steels and ceramic materials. Based on the development of super metal bonds and new manufacturing technologies, LACH DIAMANT has once again scored a great success.

The new »contour-profiled« metal bond diamond and CBN grinding wheels are characterised by a high tool life and feature precise and durable profiles. Even during deep grinding, almost any profile can be generated with minimal tolerances and with an accuracy of up to 0.005 mm.

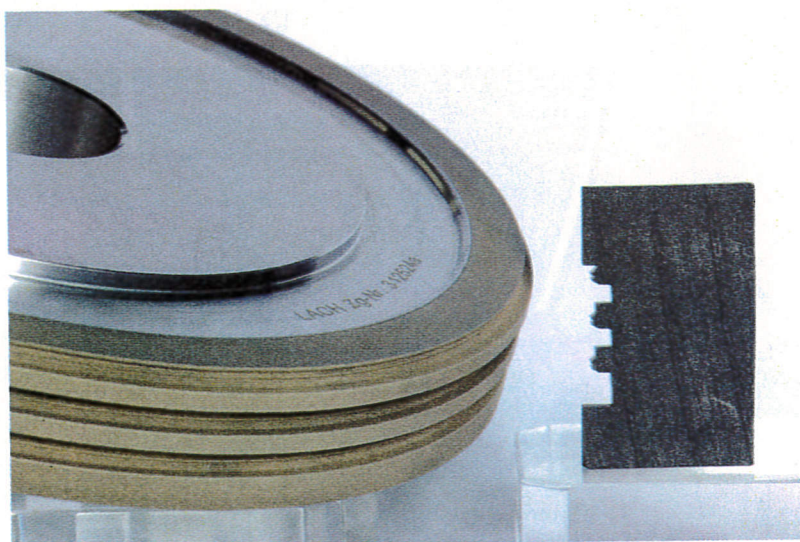
LACH DIAMANT »contour-profiled« grinding wheels can be re-profiled multiple times with guaranteed repeat accuracy. This high-tech product is geared towards manufacturers of carbide and HSS cutting tools, as well as manufacturers of high-performance ceramic tools and parts which require contour grinding.

Bond: special metal CX5, \varnothing 150 x 15 mm (in image with test template) for carbide thread grinding.

Operational conditions: peripheral wheel speed during wet grinding is 20 m/sec.

Infeed during deep grinding 3 mm; feed rate 25 mm/min. Grinding time 2 min 40 sec. (compared to previously used resin bond wheel with a grinding time of 3 min 35 sec).

Reached tool life before regrinding: 2.300 solid carbide inserts.



»contour-profiled« LACH DIAMANT precision profile grinding wheel

In its 95th anniversary year, LACH DIAMANT will be exhibiting at EMO in Hannover in September (Hall 4 Stand D 41).

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