Spring 2018 $9.00 USD

Finer Points

SUPERABRASIVE INDUSTRY REVIEW

Aerospace, CVD Diamond Routing & Polycrystalline Diamond Drilling

LACH DIAMOND AT IMTS IN CHICAGO - DIAMONDS FOR WEAR PROTECTION OF MACHINE TOOLS

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 PCD tools for the turning of copper commutators. The possibility of using them in serial production raised the question of how the commutator spindles – running on prisms during turning – could be adapted to the new challenges in regards to tool life and guide accuracy. The solution for industrial use was found in the hardest thing of all – the diamond. LACH DIAMOND is prepared to demonstrate the advantages of PCD over carbide. Furthermore, LACH DIAMOND will also showcase PCD tools for the machining of non-ferrous metals and newly developed diamond and CBN grinding wheels for super-fast profiling of carbide and hardened high-alloy steels.