



OVERSEAS POST

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First Automatic Machine For The Sharpening Of Diamond Sawblades

In the last 25 years, PCD diamond tools have changed the world of the automobile and supply industries to our all advantage. This is a result of the increasing use of aluminum, and this has also changed the furniture, kitchen, flooring and laminate flooring industries, to name just a few examples. For the inventor, Horst Lach, to apply diamonds for the machining of wood

and plastics, the idea itself was not enough. The diamond had to be processed. His idea to apply spark-erosion (applied for patent in 1978), was the key for the following development when forming polycrystalline diamonds. The beginning of a new product line was born - the building of special spark-erosion machines (EDG) for the machining of polycrystalline diamond tools. The company developed diamond universal sharpening machines, CNC-controlled periphery and flank sharpening machines for diamonds. After the immense successes of the PCD, also in the wood and plastic industries, more and more projects oriented applications of the PCD

were demanded by these industries. The saw, a traditional machining component now as a diamond saw has conquered the market which is expanding vastly worldwide due to the use of aggressive (abrasive) materials. At the largest North American woodworking fair, the IWF Atlanta, Lach-Diamant presents for the first time the >5085-CNC<, the first diamond sharpening machine in the world, which finish grinds a diamond sawblade all around with high precision. With that the presently complicated flank and periphery grinding with two different machines or two different working steps is eliminated.

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