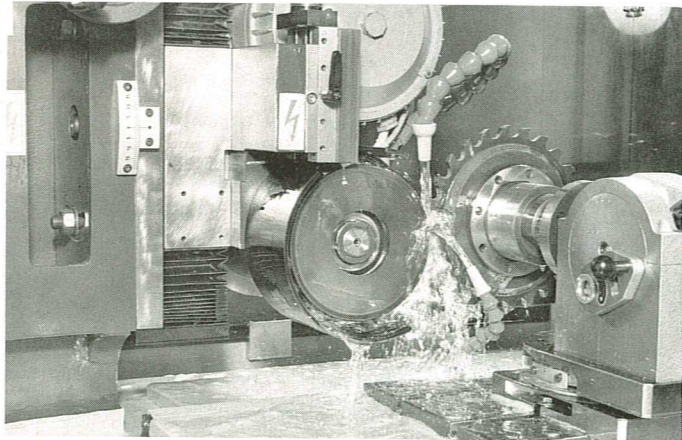


# Woodworking Review

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## Diamond grinding machine for reshaping and cutting of polycrystalline diamond tools

The development of these special diamond grinding machines was based on the company's fourteen years of experience in manufacturing polycrystalline diamond tools for the woodworking and other industries. Several versions of the "PKD" for reshaping and cutting of polycrystalline diamond tools have been successfully tested in the com-



pany's own factory as well as those of licensed manufacturers, including a facility in Japan. Special emphasis was placed on the development of a fully automatic machining process. The individual and preselectable machining phases are extensively controlled by microprocessors. The M series of diamond grinders for machining of diamond tools for the woodworking industry is available in two standard versions: a) type M1000 automatic for all straightcut tools such as diamond routers, cutters, joint moulders, some saw

blades and axially angled tools  
b) type M1050 automatic universal grinder specially developed for cutting and reshaping of all diamond profile tools. Saw blades up to a maximum diameter of 600 mm, irrespective of the type of serrations they possess, can be machined with special additional programs. The grinding process improves the stock removal compared with that available on conventional machines with diamond grinding wheels by more than 10%.

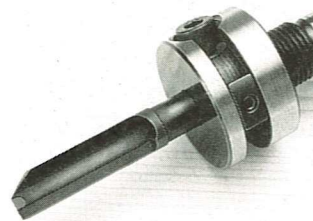
(Lach)

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## Diamond tool with new cutting geometry



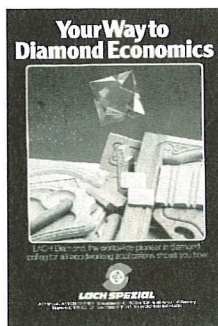
cal collet of 20–25 mm diameter or by means of an MKII inner taper with union nut. Thanks to the special sharpening technology and eccentric mounting the groove width (from 10 mm) is maintained throughout the entire service life of the tool.

(Lach)

**Code No. 422**

The new "PKD" tool is a router which opens up new machining possibilities. Soft woods, plastics (thermoplastics, duromers), composite material with reinforcement and fillers can all be cut with this tool. Through the development of a new cutting geometry for diamond tools it has been possible to extend the application potential, and many materials which used to be very difficult and time-consuming to machine can now be handled economically and even fed manually. The tool is mounted in a cylindri-

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"Your Way to Diamond Economics" is the title of a brochure published by Lach which not only describes the advantages of diamond tools in woodworking but also includes practical applica-

tions, illustrations of the tools in question and product check lists. At the end of the brochure there is a clearly arranged survey of the entire application spectrum for diamond tools. Copies are available from the manufacturer in various languages.