



Diamond Tools

PCD PRODUCTS

INCLUDING ROUTERS, PROFILE BLOCKS, HOGGERS, GROOVERS AND SAWS

Polycrystalline diamond (PCD) tool blanks are formed into a variety of cutting edges that provide abrasion resistance of up to many times that of cemented carbide. In addition to superior abrasion resistance, PCD's high thermal conductivity allows heat to be conducted away from the cutting edge, preventing premature tool failure.

Useful tool life may be further increased by relapping or resharpener cutting edges several times.

Available in relatively large sizes, PCD tooling has replaced cemented carbide, ceramics and natural diamond in a range of high performance applications including highly abrasive ceramics, reinforced epoxies, plastics, composites and engineered wood products.

The extended tool life and increased machine productivity provided by PCD tooling often offset its high initial cost, lowering the unit cost of parts produced.

While its use in machining advanced materials is almost limitless, PCD tooling is not recommended for machining steels, iron and other ferrous alloys. These materials form carbides at the tool/workpiece interface, resulting in extremely rapid, chemically induced deterioration of the cutting edge.

For more details contact our sales department on 01482 227234

