
PCD/CBN

PRECISION CUTTING TOOLS

Polycrystalline Diamond (PCD) is an extremely strong cutting material. Its hardness offers excellent resistance to wear and abrasion during cutting. For geometrically defined cutting tools, PCD is most productive and economical. It is ideally suited for machining non-ferrous workpieces and can be subjected to the most extreme machining conditions. CBN is second only to PCD in hardness and is the cutting material of choice in high-performance machining of hard ferrous material such as: steel above HRc40, steel alloys, cast iron, inconel stellite, etc.

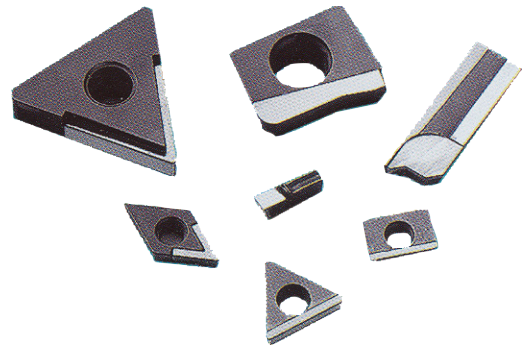
Their tensile strength and hardness put great demands on the design and manufacture of PCD/CBN cutting tools. Only high precision machines, well executed processes and expertise produce the desired results.



Our manufacturing facilities incorporate state-of-the-art CNC grinding, milling, turning and wire EDM machines. In-process monitoring and measure equipment secure precision machining on all stations. Elaborate 3-D CAD stations ensure design excellence of the most complex tooling.

Well over 90% of our production represents specially made, customized tooling. With MWS, our customers get a unique blend of high precision, cost-effective cutting tools with extraordinary benefits:

- High Productivity
- High Cutting Speeds and Feed rates
- Very long tool life
- High Quality Part Finishes
- Minimum machining passes
- Design features for tool interpolation
- Excellent Price/Performance ratio



Please consult with us regarding your PCD/CBN tooling needs.



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