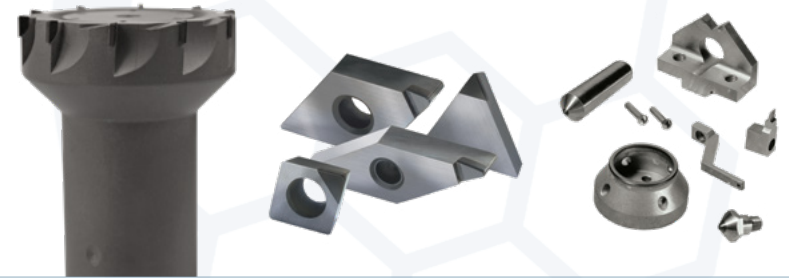


## PCD TOOLING

### PCD TOOLING



#### Increased Tool Life

- Reduced cost per inch machined
- Random orientation of the diamond crystals means uniform hardness and abrasion resistance in all directions
- PCD manufacturing process is controlled and provides consistent physical properties from part to part

#### Improved Machining Characteristics

- Excellent diameter tolerance control
- Does not bond with work piece materials so edge build-up is minimal for improved surface finish
- Reduced coefficient of friction versus tungsten carbide which minimizes heat buildup at the cutting edges
- Minimizes fiber tear-out and delamination

#### Reduced Cycle Time

- Cycle time reduced due to the thermal conductivity and heat resistance of PCD

#### Resharpenable

- Continued use of tool for multiple cycles after initial purchase
- Resharps/regrinds at reduced cost compared to new

#### Designed for Use in Composites such as:

- CFRP, RCC, CFRP/AL stacks, MMC, Phenolic, Hard Rubber, FRP, Aluminum alloys, Brass and Bronze alloys, Zinc alloys, Magnesium alloys and Sintered Tungsten Carbide

