

# DIAMOND TOOLING FOR COMPOSITE MATERIALS



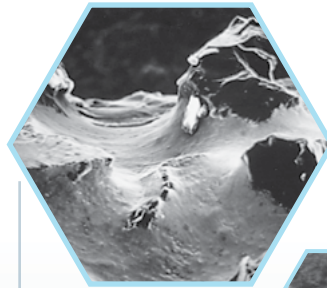
Abrasive Technology's diamond tooling is perfectly suited for composites as it provides comprehensive rough to finish solution, no matter what composite you're using. We specialize in developing custom solutions, and we create tools that are designed and engineered for your specific application.

PCD TOOLING

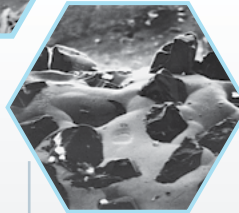
P.B.S.<sup>®</sup> TOOLING

FLEXIBLE DIAMOND TOOLING

# P.B.S.<sup>®</sup> TOOLING



**P.B.S.<sup>®</sup> Braze Bond**  
Diamond particles are  
brazed to the substrate  
and cannot pull out.



Electroplated

## P.B.S.<sup>®</sup> DIAMOND TOOLING

First patented by Abrasive Technology in 1975, this original brazed bonding process chemically bonds superabrasive crystals to the substrate. This proprietary process promotes high diamond exposure with no stripping or peeling, allowing for:

- Aggressive tools that last longer, cut faster, run cooler and load less
- Exceptional speed and efficiency for composite applications
- Maximum exposure of diamond crystals, engineered for fast stock removal
- Machining tough-to-cut materials where fast stock removal and deep cuts are required
- Custom-manufactured tools in special non-standard sizes and forms for tight tolerances
- Stripping and recoating the core

Abrasive Technology recommends P.B.S.<sup>®</sup> tools for non-metallic materials including:

- Fiberglass • Carbon Fiber Composites
- Friction Material • FRP • Graphite & Graphite Epoxy
- Honeycomb and other composites

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