

SUPERABRASIVE TOOLS FOR COMPOSITE MATERIALS

Abrasive Technology's superabrasive diamond tools offer complete rough-to-finish solution for composite materials. Designed to handle the complexity of delamination risk, heat sensitivity, and tight tolerances for any variety of composite materials you are machining. Our team customizes solutions tailored to your specific material, application, and production goals.



IDEAL FOR CUTTING, GRINDING, CONTOURING, SHAPING, FEATHERING COMPOSITE MATERIALS
 FIBERGLASS • CFRP/GFRP • FRICTION MATERIALS • GRAPHITE • GRAPHITE EPOXY
 HONEYCOMB AND OTHER COMPOSITES



SUPERABRASIVE ADVANTAGES OVER CONVENTIONAL:

- Faster stock removal
- Reduced grinding time
- Cooler running
- Reduced labor costs
- Recoat abrasive available

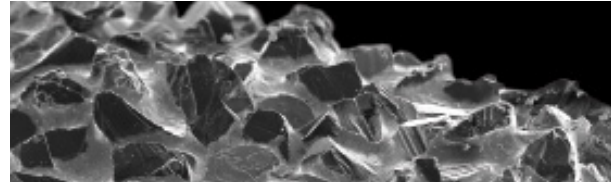
MACHINE OPERATOR ADVANTAGES:

- Reduced chipping waste
- Reduced vibration/chatter
- Lower operator fatigue
- Less operating force



P.B.S.® BRAZE TOOLS

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.

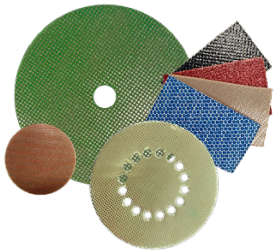


- Diamond crystal selection, including type, shape and size, is based on specific application
- P.B.S.® braze bond creates channels for coolant and swift removal of swarf
- Machines tough-to-cut composite materials and ceramics, providing fast stock removal and deep cuts
- Offers custom-manufactured tools in special non-standard sizes and forms for tight tolerances
- Allows for stripping and recoating the core



FLEXIBLE DIAMOND TOOLS

Our flexible diamond products excel at contouring, shaping, feathering, and fine-tuning a formed surface. Cool, rapid, even cutting with minimal heat and pressure eliminates surface distortion, boosts productivity, and cuts costs.



Genesis™ Discs, Pads, Belts

Designed to grind, hone and polish composite surfaces to a smooth finish



Baby-Rok™ Discs

Ideal for removing deep scratches in composites left during the cutting



Tech-Lok™ Discs

Ideal for scarfing, shaping, deburring, feathering and finishing nearly all composite materials



Diamond Handpads

Excel at abrading composites, with firm or flexible bases for hand-finishing hard-to-reach areas.

