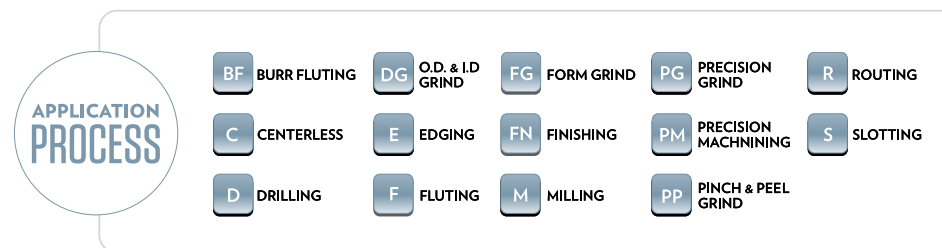
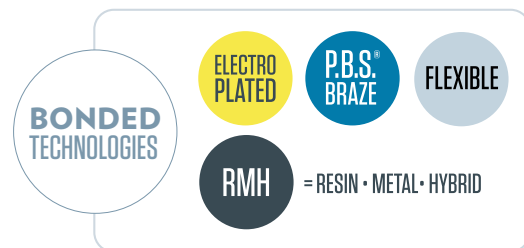
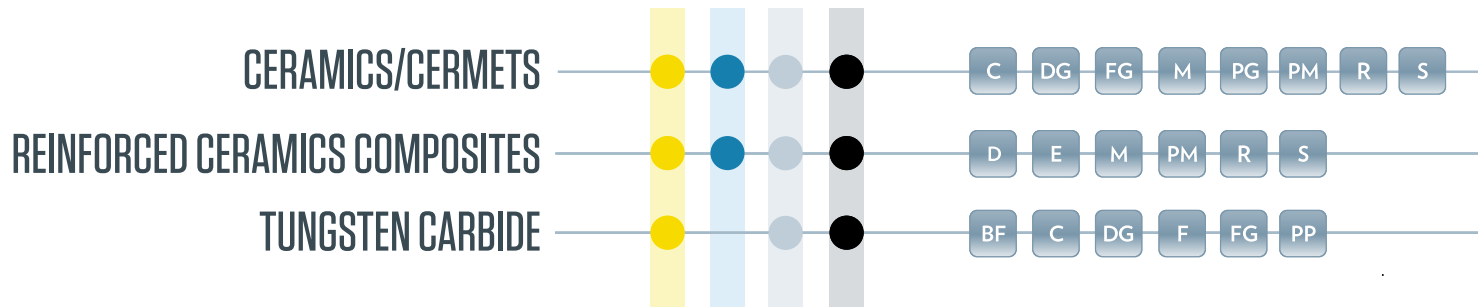


# SUPERABRASIVE TOOLS FOR SHAPING & FINISHING CERAMICS

Abrasive Technology offers a wide range of bonded technologies that are specialized in shaping and finishing ceramics. Our engineering experts customize the best solution for your specific material removal requirements.

## MATERIAL GRINDING & APPLICATION SOLUTIONS FOR CERAMICS



## SIGNATURE TECHNOLOGY

### P.B.S.<sup>®</sup> BRAZE



GRINDING WHEELS • CORE DRILLS • BURS • ROUTERS  
MOUNTED SAWS • MOUNTED WHEELS • DISCS

- First patented in 1975 by AT, this original brazed bond process promotes maximum diamond exposure and will not strip or peel during use, providing increased productivity and part consistency.
- Well-suited for cutting non-metallic materials such as graphite material, FRP, fiberglass, friction material, honeycomb and composites/CFRP/GFRP; in addition to carbide and ceramics.
- Ideal for machining tough-to-cut materials where fast stock removal and deep cuts are required.
- Custom-manufactured tools range from 1/32" to 24" in diameter with many sizes in between.
- Custom tools made complete in house from design through manufacturing.
- Deburring and other hand-held operations.

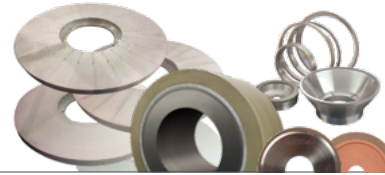
### ELECTROPLATED



PRECISION FORM • GRINDING WHEELS • ROUTERS  
SAW BLADES • MOUNTED WHEELS

- Ideal for manufacturing tight-tolerance forms and ability to hold form/profile from first cut to last.
- Freer cutting, resulting in higher material removal rates.
- Recommended for grinding in creep feed or high-speed grinding applications, including nickel and cobalt-based superalloys, engineered ceramics, ferrous alloys, and tungsten carbide.
- Perfect solution for form, face and O.D. grinding operations in large wheel formats.
- Wheel sizes range from 1/32" to 50" in diameter with many sizes in between.
- Custom tools made complete in house from design through manufacturing.
- Deburring and other hand-held operations.
- Ability to strip and replat the core.

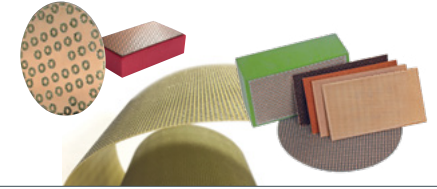
### RESIN • METAL • HYBRID (RMH)



DOUBLE DISC • INSERT • FLUTING • ROUGHING  
FINISHING • PERIPHERY • CENTERLESS  
BURR FLUTING • PEEL • THREAD • SLOTTING

- Custom-designed bonds to meet unique application requirements.
- Ideal for the most difficult roughing applications to the finest grinding applications needing a mirror finish.
- Signature VFlex<sup>®</sup> and DualForce<sup>™</sup> technologies set the industry standard for consistent wheel performance, and faster grinding for continuous production.
- Diamond wheels for periphery grinding of carbide, ceramic, and cermet inserts.
- Latest polymer technology for resistance to heat when dry or wet grinding.
- Designed to hold form to increase wheel life allowing for multiple redresses.
- High profile markets include aerospace, automotive, carbide, ceramics, piston rings, optical glass, round tools, and oil & gas.

### FLEXIBLE



HAND PADS • BELTS • PADS • STRIPS • DISCS  
*(AVAILABLE IN QUICK CONNECT, PSA, AND HOOK AND LOOP)*

- Ideally designed for contouring, shaping, and feathering; as well as making delicate adjustments to a formed surface.
- The cool, rapid, even cutting eliminates surface distortion, increasing productivity and reducing costs.
- Reduced dig outs and scallops allow for reduced reworks and eases operator fatigue.
- Best for use in composites, stone, and steel operations.
- Deburring and other hand-held operations.