

SOARING RESULTS IN CARBON FIBER COMPOSITES



Eliminate Fiber Breakout

Exclusively from SGS, the **Series 20-CCR Router** eliminates fiber breakout in carbon-fiber reinforced polymer materials.

Features & Benefits:

- Eliminates fiber breakout
- Provides longer tool life
- Requires less cutting force
- Reduces delamination



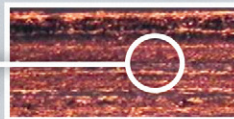
Get better results and maintain higher efficiencies in aerospace cutting applications with the **Series 20-CCR** only from SGS.

Conventional Router vs. SGS Series 20-CCR Carbon Composite Routers

Conventional Router Results:
Carbon-Fiber-Reinforced
Polymer (CFRP)

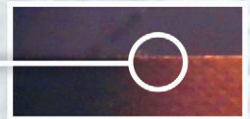


Tool side edge, unacceptable fiber breakout (10X view)

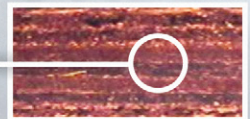


Unacceptable edge finish (25X view)

SGS Series 20-CCR Results:
Carbon-Fiber-Reinforced
Polymer (CFRP)



Tool side edge, no fiber breakout, acceptable edge (10X view)



Acceptable edge finish (25X view)

SGS[®]

Solid Carbide Tools

An ISO 9001 Certified Company

55 South Main Street
Munroe Falls, Ohio 44262 U.S.A.
Phone: (330) 686-5700
www.sgstool.com

Made under license of U.S. Patent # 7,090,442
Manufactured in the USA