

As one of the world's largest manufacturers of solid carbide rotary cutting tools, SGS Tool Company has pioneered some of the most advanced cutting technologies specializing in specific challenges and extreme applications. We have developed a dedicated team to focus on the advancement of technology within the growing Composites segment and address the unique challenges and opportunities of cutting Composite materials.

The unique qualities of Composites combines light weight with high strength and resistance to fatigue, corrosion, impact, wear and thermal issues, making it

attractive to a wide variety of part manufacturers and fabricators. This carbon fiber material is comprised of a layered resin structure with a variety of complex fiber configurations embedded within the resin giving the material its physical shape while the fibers determine the material properties.

SGS has continued to develop industry-leading solutions with the launch of a product series unique to Composite. We have given special consideration to the substrate, geometry, coating, edge conditions and manufacturing techniques that conventional cutting tools have a difficult time addressing.

## THE **MOST ADVANCED** CUTTING TECHNOLOGIES **SOLUTIONS** FOR THE UNIQUE QUALITIES OF **COMPOSITES**



**Improved Surface Conditions  
of Work Piece**

**Eliminate Delamination**

**Minimize Fiber Breakout**

**Lower Cutting Forces**

**Increased Tool Life**

**Greater Process Efficiencies**

**Minimize Cutting Temperatures**

**Decreased Production Costs**