

CERAMIC

Greenleaf is the industry leader in the development and manufacture of ceramic and coated ceramic inserts in ANSI standard and special geometries. Some of the most prominent include:

WG-300[®] Patented, whisker-reinforced ceramic with excellent wear and shock resistance at high surface speeds. WG-300 is very effective at machining nickel and cobalt based super-alloys, and other hard materials at metal removal rates up to 10 times higher than carbide.

WG-600[™] The only commercially available second-generation coated ceramic-composite cutting tool using whisker reinforcement. Excels at finishing high-strength alloy materials.

HSN-100 The latest in engineered silicon-nitride cutting tools has superior toughness and high cutting speed capability. For the turning and milling of all classes of cast iron. HSN-100 is a good choice for ductile, malleable, nodular, and other difficult-to-machine irons.

GEM-7 Al₂O₃ + TiC composite ceramic with a high degree of predictability in roll turning and hard alloy (up to 65 R/c) machining.

