

## 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.

**HSN-200** The latest in coated silicon-nitride-based cutting tools offers outstanding toughness, long tool life, and excellent surface finish at high cutting speeds. HSN-200 is a great choice for the turning and milling of ductile, malleable, nodular, and other high alloy cast irons.

**GEM-7** Al<sub>2</sub>O<sub>3</sub> + TiC composite ceramic with a high degree of predictability in roll turning and hard alloy (up to 65 R/c) machining.

**GEM-19** Cold pressed and sintered Al<sub>2</sub>O<sub>3</sub> ceramic for economical roughing and finishing of cast iron grades application range on severe interruption or old machinery.

**CSN-100** The latest in cold press technology for the silicon-nitride ceramic market. Greenleaf offers dimple inserts in the 80 degree and square insert geometries. CSN is a good choice for high-speed gray cast-iron applications.

**CSN-200** The latest in coated cold press technology for the silicon-nitride ceramic market. Greenleaf offers dimple inserts in the 80 degree and square insert geometries. CSN is a good choice for high-speed gray cast-iron applications.

## COMING SOON

**WG-900**

**GX100**

**GX200**

### Greenleaf Sales

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