

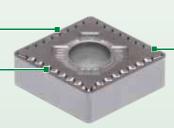
New WIDIA<sup>™</sup> Victory<sup>™</sup> grades and geometries are designed to offer better tool life and surface finishes.

## ..GG-FS Geometry

- All ..GG-FS inserts are G tolerance inserts. This is a critical feature in some applications, especially the aerospace industry.
- Reduced cycle times high speed and feed capability.
- Reduced cutting forces improved dimensional control and reduced deflections.
- New chip forming elements better chip control.
- Long tool life new multilayer coating provides better wear resistance.
- Proven seating smooth and secure seating surface.

High rake to allow smooth chip flow.

Precision ground provides high cutting edge quality to reduce depth-of-cut notching and provide consistency in component dimensions.



Proprietary nose geometry for better chipbreaking under medium parameters.

## ..MG-MS Geometry

- High positive rake angle delivers improved tool life by reducing cutting forces and built-up edge when machining high-temp alloys.
- Improved chip control and reduced crater wear due to proprietary chipbreakers with varying shapes and distances.
- Reduced thermal wear and cracking due to near sharp cutting edge with optimised edge treatment.
- Improved chipbreaking at various depths of cut due to variable land width, which improves impact strength.
- All MG-MS inserts are moulded, which supports increased tool life due to the elimination of grinding stress.

High rake to allow smooth chip flow.

Variable land width to provide good impact strength and low wear.



 Proprietary nose geometry for better chipbreaking under medium parameters.