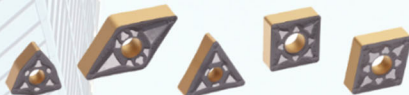


INDUSTRY NEWS



Phoenix Shield

The New Era of Speed, Strength and Power



The Phoenix Shield Series offers you cutting edge performance across the board in every steel turning operation!

Greatly improved Al₂O₃ coating, with optimized crystal orientation. Suitable for productive turning of steels & cast steels. The ideal choice for most steel turning applications from roughing to finishing, for continuous or interrupted cuts.

Experience extended tool life in extreme conditions and unmatched resistance to crater wear, ensuring consistent results and elevated productivity.

Technical Features: This new coating has greatly improved wear and heat resistance thanks to its innovative alumina layer. This enables better performance in the vast majority of steel turning applications with greater material removal rates and longer more predictable tool life.

Unidirectional Crystals: Advancements in the CVD process have allowed for a great deal of control over the direction in which alumina crystals are grown. This capability enable the production of coatings in which every single alumina crystal provides maximum strength and wear resistance.

Other Insert Details: This coating features a yellow top layer which allows for improved wear detection and enables you to identify unused edges helping to reduce waste. The very hard innermost TiCN layer also helps protect the insert from abrasive wear.

Key Features

- Aluminum Oxide layer with optimized microstructure
- Gold flank faces for easier wear detection
- Longer tool life
- Higher cutting speeds
- Improved resistance to crater wear
- Superior heat resistance

