

TICANOX® COATING

Sputtered Deposition: Aluminum Titanium Nitride / Titanium Carbonitride

TICANOX® is a very hard yet tough coating developed specifically to withstand severe impact, abrasion, and thermal shock. Its special multi-layer composition resists impact stress through reversible deformation.

Feature

Benefit

Toughness	Superior strength and crack resistance
High Service Temperature	Reduced thermal tool stress
High Hardness	Extended wear resistance

Properties

- Coating Chemistry: Aluminum Titanium Nitride (AlTiN)/Titanium Carbonitride (TiCN)
- Composition: Multi Layer
- Color: Grey/Black

Specifications

- Typical Thickness Range: 2.0 - 5.0 Microns (.00008 - .0002 Inches)
- Micro-Hardness: 2800 Vickers
- Temperature Stability: 600 °C (1112 °F)

Applications

- Gear Cutting
- Interrupted Cuts
- Stamping
- Forming

Work Piece Materials

- All Steel Alloys

Tooling Materials

- High-speed Steel
- Carbide Inserts
- Solid Carbide



For more information contact our sales professionals today!

