

# TiN COATING

## Sputtered Deposition: Titanium Nitride

TiN is a sputtered Titanium Nitride coating good for general machining applications.

### Feature

### Benefit

Low Thermal Conductivity	Reduced thermal tool stress
Smooth Surface Finish	Superior chip flow
High Hardness	Extended wear resistance

### Properties

- Coating Chemistry: Titanium Nitride (TiN)
- Composition: Single Layer
- Color: Gold

### Specifications

- Typical Thickness Range: 2.0 – 5.0 Microns (.00008 – .0002 Inches)
- Micro-Hardness: 2700 Vickers
- Temperature Stability: 450 °C (842 °F)

### Applications

- General Machining
- Gear Cutting

### Work Piece Materials

- Carbon Steel
- Nickel Alloys
- Stainless Steel

### Tooling Materials

- High-speed Steel
- Carbide Inserts
- Solid Carbide



*For more information contact our sales professionals today!*

