

# ALUMINIUM TITANIUM NITRIDE

## AlTiN

X.Ceed

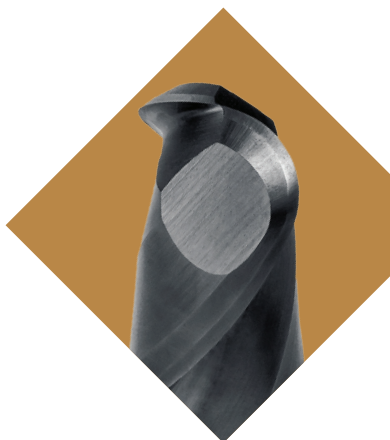
AlTiN, produced in the INNOVA, represents the pinnacle of Titanium based PVD coatings. AlTiN is a high performance coating suitable only for carbide tools, due to its high deposition temperature, which gives improved adhesion in severe applications. For a Titanium based coating it has high hardness, excellent oxidation resistance and high service temperature. Good results have been obtained with this coating on tools used for machining Ti alloys, Inconel and other difficult to machine materials. AlTiN is also applicable in high speed cutting and hard machining (> 52HRC).

### Applications and benefits

- Hard materials
- Difficult to machine materials, Ti alloys, Inconel
- High speeds and feeds

### Improved performance with

- High speed machining
- Dry or MQL machining
- Machining of hard materials (>52HRC)



Colour	Blue - Grey
Coating Thickness	4 $\mu$ m
Microhardness	3300 HV
Thermal Stability	up to 900°C
Coeff. Friction vs Steel	0.4

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