

PVD Coating (Ion Plating)

0.Ncoat

A powerful ally in extending the service life of cutting tools and dies!

Outstanding sliding performance and abrasion resistance

MG

- Great sliding: 0.32 coefficient of kinetic friction
- Hardness: 3,200-3,500 HV
- Strong adhesion/anti-abrasion
- Primarily for dies

New Super-Multilayer Coating



Ultimate Solution for Machining Difficult-to-Cut Materials

TG

- Hardness: 3,300-3,600 HV
- Oxidation temperature: 1,200° C
- Ideal for machining difficult-to-cut materials
- Primarily for carbide and other cutting tools

New Super-Multilayer Coating



Superior Heat and Abrasion Resistance

TiAlN-H

- Hardness: 3,500-3,800 HV
- Oxidation temperature: 900° C
- Outstanding heat/abrasion resistance
- For high-speed dry cutting and dies

Offers vastly improved performance



Enhanced adhesion/anti-abrasion

TiN-H

- Hardness: 2,800-3,100 HV
- Enhanced adhesion/anti-abrasion
- Low cost, high performance
- For cutting tools and dies

Offers vastly improved performance

