Member IMC Group
NTK CUTTING TOOLS

Solutions for Hard Material and Mill Roll Machining with Ceramics

Alumina + TiC Ceramics

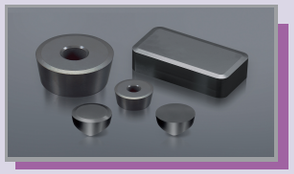
- High-hot hardness and low plasticity
- Toughness & hardness

ZC7

Features
- TiN coating
- Excellent wear resistance
- Machining soft to hard turning applications (50-62RC)
- Semi-finish and finish cast irons and chilled irons

Work Materials
- Steels
- Cast iron rolls
- Chilled iron rolls

HC2



Features
- Balance of abrasion and fracture resistance
- Semi finishing and finishing cast iron and hardened steels

Work Materials
- Steels • Cast rolls • Ductile rolls

WA1

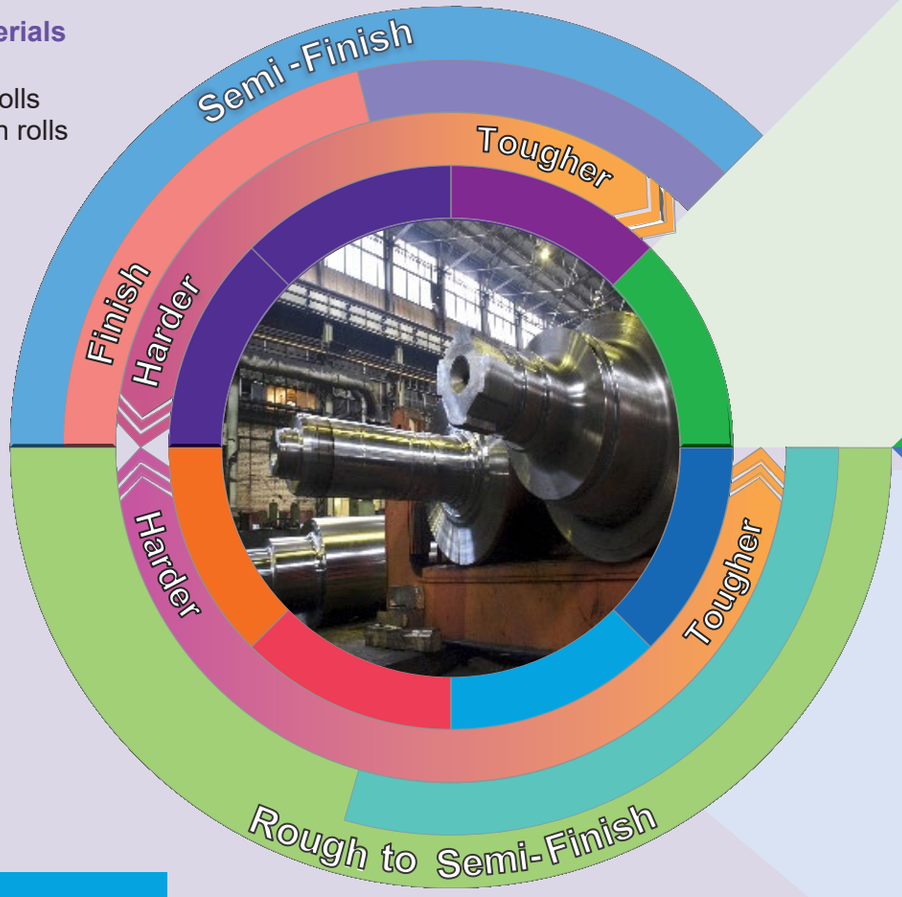
Features
- Flank wear resistance and notching resistance
- Machines through hard spots (even embedded insert pieces)
- Milling of hardened materials (45-65Rc)

Work Materials
- Carbide rolls • Cast iron rolls
- Steels

ZC4

Features
- TiN coated premium finest grain ceramic
- Excellent wear resistance
- Best for hard turning applications from 50-70Rc
- Superior finish turning

Work Materials
- Steels • Gray cast iron rolls



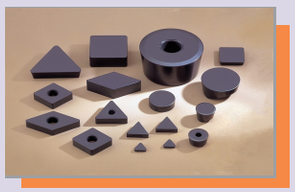
Whisker - Versatile Player

- Productivity and reliability

SiAlON Ceramic

- Toughness and wear resistance

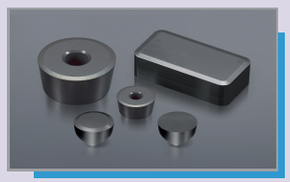
HC7



Features
- Excellent wear resistance
- Turning of hardened steels (35-62Rc)
- Wide range of machining even through interruptions
- Milling hardened steels (45-62Rc)

Work Materials
- Ductile iron rolls
- Chilled iron rolls
- Steels

HC5



Features
- Excellent toughness and wear resistance
- Semi finishing of cast and hardened steels (35-62Rc)
- Machine through scale and interruptions

Work Materials
- Cast iron rolls • Steels
- CPM rolls (Hitachi rolls)

SX9

Features
- Excellent toughness and notch wear resistance
- Semi-finishing of cast and ductile rolls
- Turning and milling applications
- Machine hard materials (35-46Rc)

Work Materials
- Cast iron rolls
- Ductile iron rolls