TiXCo coatings



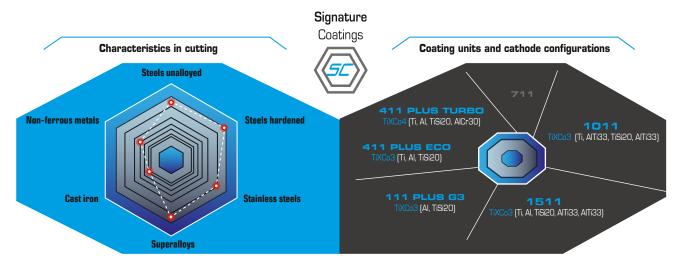
TIXCO3 AND TIXCO4

As our hardest nanocomposite, TiXCo3 is especially suitable for hard machining. It can be used at very high temperatures and is therefore suitable for finishing processes in milling and drilling. TiXCo3 also provides excellent performance for finishing turbine parts.

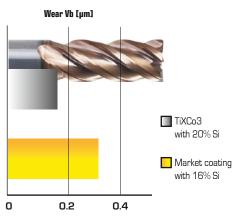
TiXCo4 is used for broadband applications.

Highlights:

- TiXCo3:
- High surface quality
- Extremely hard and very wear-resistant
- For super-hard machining
- TiXCo4:
- Wide range of application and use

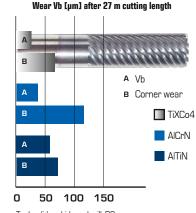




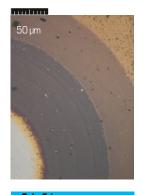


Tool: solid carbide end mill; D6 Workpiece material: X210Cr13; 1.2080; 64 HRC Cooling: dry air, 5 bar; ap = 0.09 mm; ae = 0.06 mm; n = 16 820 rpm; f = 0.1 mm/ rot Source: South Korean tool manufacturer

Milling in SKD61 with solid carbide end mill D8:



Tool: solid carbide end mill; D8 cutting length = 27 m Workpiece material: SKD61; 54 HRC Emulsion; ap = 4 mm; ae = 0.03 mm; vc = 100 m/min Source: Chinese tool manufacturer



Calo 3 layers

TiXCo3: TiN -> AITi(Si)N -> TiSiN TiXCo4: TiN -> AICrTi(Si)N -> TiSiN

