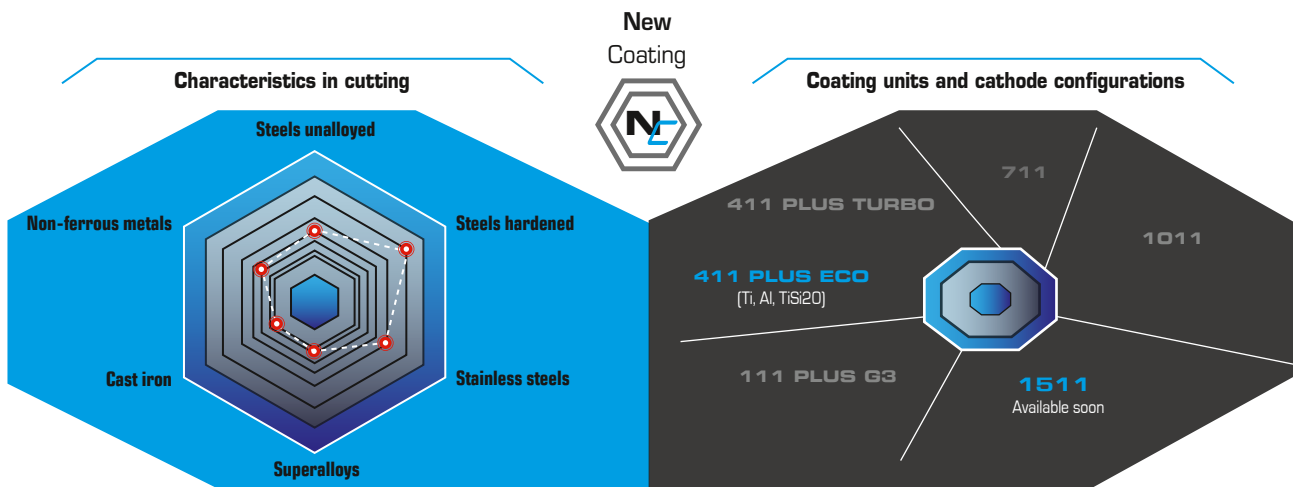


## UNIVERSAL HARD MACHINING COATING

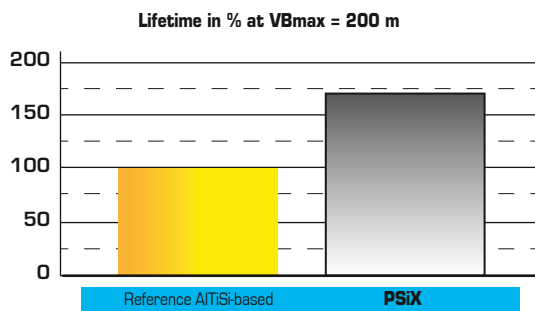
PSiX is a new PLATIT nanocomposite coating with a super-hard top layer. PSiX is based on TiXCo3 but has a silicon-free AlTiN base. Therefore, the aluminum content of PSiX is higher, which increases the coating's thermal stability. The coating is temperature-optimized and therefore excellent for hard machining processes like finishing and roughing.

### Highlights:

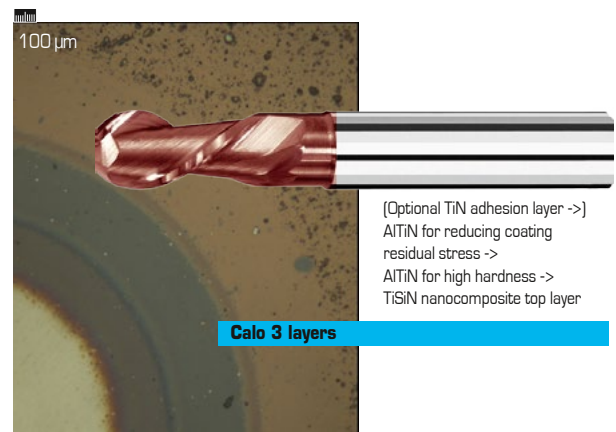
- Thermal stability
- Temperature-optimized
- Low coating residual stress



### Ball nose end mill in 61 HRC:



Tool: ball nose end mill; D10  
 Workpiece material: 1.2379; 61 HRC  
 ap = 0.2 mm; ae = 0.5 mm; vc = 182 m/min; fz = 0.14 mm  
 Source: GFE, Germany



### Specifications

**Color** red brown

**Nano-hardness [GPa]** 42 - 44

**Coefficient of friction [µ] PoD (at RT, 50 % humidity)** 0.4

**Coating thickness [µm]** 1 - 4

**Max. service temperature [°C]** 1100

**Coating temperature [°C]** 450 - 500