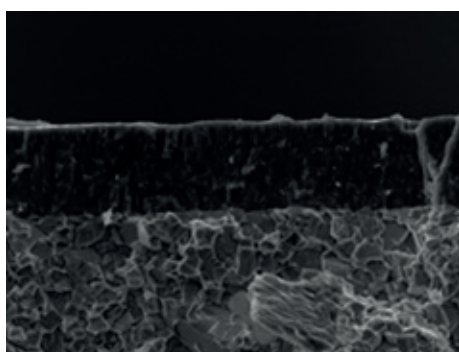




Tribobond™ 01 TiN



Traditional coating for a wide range of component applications

Tribobond™ 01 TiN is arguably the oldest and most popular of PVD coatings. Aesthetically pleasing gold color and excellent mechanical properties allowed this coating to become an ultimate general purpose coating across a very wide range of applications and industries.

Tribobond™ 01 TiN effectively protects against abrasive wear, galling and fretting and is widely used on many components of industrial machinery. Due to its characteristic yellow color Tribobond™ 01 sometimes is used as a wear indicating film.

Technical Data

Material	TiN
Technology	PVD Arc
Thickness range	1.5 – 5 µm
Nanohardness, HV 0.005	2000 – 2500
Coefficient of Friction	< 0.55 dry vs. steel
Service Temperature	500 °C
Process Temperature	150 – 500 °C
Color	Gold