



TiN
(Titanium Nitride)

General purpose coating - low heat resistance. Good lubricity.



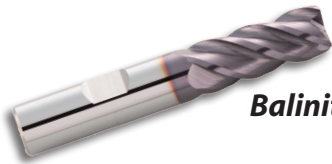
TiCN
(Titanium Carbonitride)

Good abrasion resistance. Recommended for aluminum, brass and bronze applications. Low heat resistance - good lubricity.



TiALN - Balinit® FUTURA
(Titanium Aluminum Nitride)

Multi-layer coating with good thermal stability for increased speeds and feeds. For semi-dry to dry cutting of most steels, high-nickel alloys, stainless steel and cast iron. Excellent heat resistance - good lubricity. For materials that are 40Rc and under.



Balinit® X.CEED

A single-layer coating whose hardness, oxidation resistance and thermal stability were optimized for material hardness above 52 HRC and high-speed machining of materials that are difficult to work (titanium alloys, Inconel). Competes with ALTiN.



Balinit® HARDLUBE

Multi-layer coating with thermal stability and lubricating properties needed for the drilling of steels, high-nickel alloys, stainless steel, cast iron, aluminum, brass, and bronze. Excellent heat resistance - great lubricity.



Balinit® HELICA

G6 Generation coating. Greater abrasion resistance, extra shear strength, lower adhesion tendency, maximum toughness and a very smooth surface achieve a quantum leap in drilling performance. This coating is particularly advantageous for carbide drills.



ALUMASTAR®
(Titanium Diboride - TiB₂)

A thin film coating with a low affinity for aluminum, ideal for machining aluminum alloys. The resistance to adhesion of aluminum allows higher speeds or feeds. Coating thickness is intentionally kept lower in order to maintain a sharp edge.



CRYSTALLINE DIAMOND

Improved productivity in composites and non-ferrous metals. Excellent choice for cutting graphite, fiberglass, and silicon-based aluminum. Can be added to a special for milling or drilling applications.