Ideal for demanding turbine blade machining – high oxidation resistance

Machining operations in the energy production market are becoming more challenging all the time. For example, materials must withstand increasingly higher temperatures. Consequently, the machining tools for these tasks need to be equipped with a wear-protection coating that is able to meet these high demands. BALINIT® ALNOVA is the ideal solution due to its improved hot hardness, high oxidation resistance and very smooth surface.

**BALINIT ALNOVA**

More from your cutting edge

Reliable milling of the most demanding materials

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**Benefit from the BALINIT ALNOVA high-performance coating**

Contact us now!
BALINIT® ALNOVA

The high-performance coating combination for difficult-to-cut materials

The only way to secure a competitive advantage is by keeping the quality, productivity and the resulting value creation in your processes at the highest level. With BALINIT® ALNOVA, you have all the trump cards in your hand. As a high-end coating for end mills, it represents the systematic refinement of the AlCN basis and stands out due to its impressive coating properties for the machining of the most demanding materials. And that means: You have the advantage.

Optimal coating properties you can bank on

- Optimized coating adhesion results in high-level reliability
- High thermal shock stability
- For wet and dry machining
- Increased oxidation resistance
- Significantly lengthened tool lifetimes as compared to common high-performance coatings
- Extremely high tool cutting-edge stability
- Good chip removal and minimization of built-up edge formation

First-class performance and productivity for your highly demanding machining processes

Rely on a broad application range

For carbide end mills and modular milling cutters

- Tool steel > 1,000 N/mm²
- Hardened steel, 45-52 HRC
- Stainless steel, heat-resistant steels
- Cast iron
- Titanium, titanium alloys

For HSS end mills

- Stainless steel
- Cast iron
- Titanium, titanium alloys

SOURCES

- Tool manufacturer Germany
- Oerlikon Balzers France
- Oerlikon Balzers