

cerid[®] V-TEC



A surface
aalberts technologies

cerid[®] V-TEC

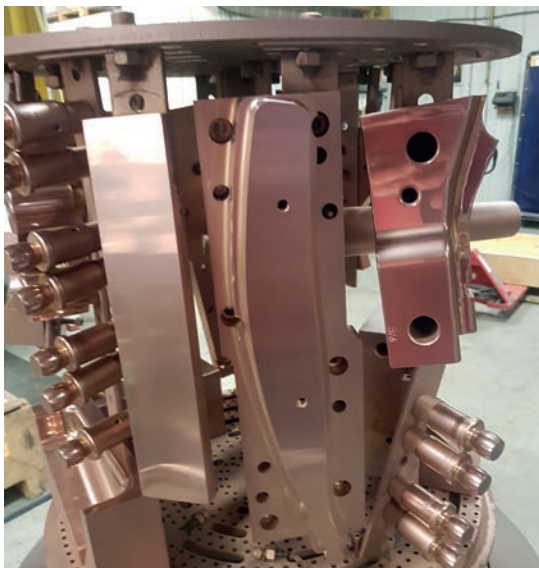
The cerid[®] V-TEC coating is a multilayer high-performance coating consisting of titanium aluminum nitride (TiAlN) and titanium carbonitride (TiCN), that ensure very high hardness with good resilience. The TiCN top layer also provides protection against galling due to its optimal, low friction coefficient. It is also recommended for the reduction of lubricants.

cerid[®] V-TEC is thus a very robust wear-resistant coating, which shows its strengths above all in the field of metal forming and also guarantees reliable service life in other applications.

With innovative customer-specific coating systems and mechanical precision manufacturing, we help you to succeed.

From the initial idea to series production.

- We work with you on the development of your innovations.
- We clarify all detailed questions with you.
- We provide you with solutions that are tailored to your requirements.
- We accompany you from the initial idea to series production.
- We offer first-class support.
- We offer the highest quality in the implementation of your project in our facilities whether in small or large series.
- We are certified according to DIN EN ISO 9001:2015, VDA 6.1:2016 and ISO 13485:2016.



Coated molds for metal forming.



PVD system (working volume D 600 x 900 mm).

cerid [®] V-TEC	process details	
Performanc characteristics	coating material: titanium aluminum carbonitride color: dusty pink coating thickness: 3-6 µm hardness: ca. 3400 HV	operating temperature: max. 800 °C friction coefficient against steel: 0.2
Applications	<ul style="list-style-type: none"> • forming tools (high-strength steels) • plastics processing (injection molding/extrusion) • machine components • punching tools 	
Take advantage of our experience, attention to detail and reliability! From special applications to large series production, our coatings have proven to be a cost-effective solution for a wide variety of applications.		