

cerid[®] duplex V-TEC



 surface
technologies
aalberts

cerid[®] duplex V-TEC

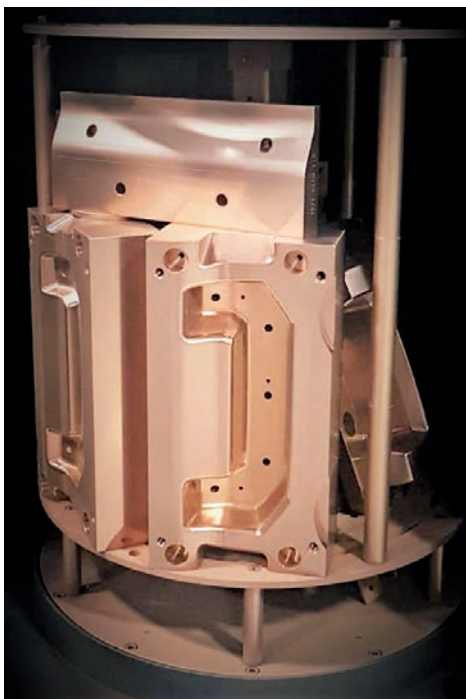
The combination of a compound layer-free plasma nitriding with the proven cerid[®] V-TEC coating in a combined process leads to optimal bonding of the coating to the hardened surface.

The wear resistance and service life of the coating can thus be significantly increased, which is particularly noticeable in the case of tools subject to a high level of use.

With innovative customer-specific coating systems and precise mechanical 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.



Coated drawing rings.



PVD system with duplex unit (working volume D 400 x 500 mm).

cerid [®] duplex V-TEC	process details	
Performance characteristics	coating material: titanium aluminum carbonitride color: dusty pink coating thickness: 5-10 µm hardness: ca. 3400 HV	operating temperature: max. 800 °C friction coefficient against steel: 0.2 nitriding depth: 40-50 µm
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.		