

Swiss Armoloy AG combines the competence and experience of two companies

Armoloy Corporation

For more than 50 years, Armoloy Corporation in Illinois, USA, has been the industry leader in thin and dense chromium coatings. 1997 it introduced the XADC® process.

Hardening shop Blessing

The Burgdorf-based hardening shop Blessing has been a specialist in heat, heat treatment and surface finishing. Swiss Armoloy AG is a spin-off of Härtereiblessing.



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TDC thin dense chromium plating
precise and durable

We look forward to your enquiry!



Extensively applied for the highest corrosion resistance and a long product life



Uniform coating thickness for higher wear resistance and less abrasion



„Cold process“ for dimensional stability and stable microstructure



Flexible for your prototypes, including short delivery times

Timeless like a diamond

Durable thin-layer chromium plating according to the Swiss Armoloy process

Thin Dense Chroming according to Armolyo TDC® (Thin Dense chroming)

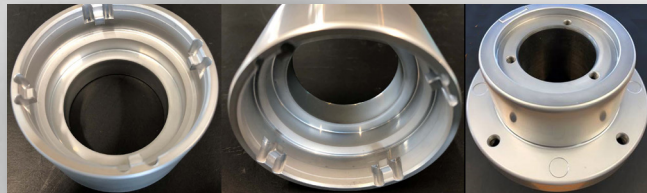
Armoloy TDC is a precision coating. The high wear resistance and excellent abrasion properties extend the service life of your components and systems. Our thin, uniform coatings have no effect on part tolerances, the cold process leaves the part geometry intact. The low coefficient of friction on the domed surface reduces abrasion. Our process enables high-precision coatings

Armoloy XADC® TDC® with nanodiamond composite

Nanodiamonds are excellent heat conductors. They promote lower operating temperatures in applications with high heat. This reduces wear, abrasion and excessive lubrication.

Your advantages:

- 20% cooler running temperature than Armoloy TDC®
- Coefficient of friction only 0.09
- Hardness up to 98 Rockwell HRC



Your advantages:

- Minimum coating thickness possible
- Coating from only 0.002 - 0.007 mm
- Hardness up to 78 Rockwell HRC
- Coefficient of friction of only 0.12
- „Cold process“ at 60° C

We guarantee: No flaking, peeling of the thin layer and at the same time a corrosion resistance similar to that of stainless steel 1.4125 (X105CrMo17).

For industries such as:



Pharmaceutical industry



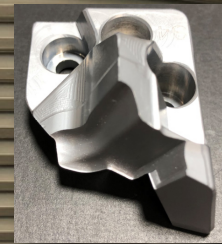
Automotive industry



Food production



Machinery industry



Applicable to:



Steel low & high on carbon



stainless steel



Cast Iron



Bronze & Brass



Armoloy coatings extend the service life of your machines