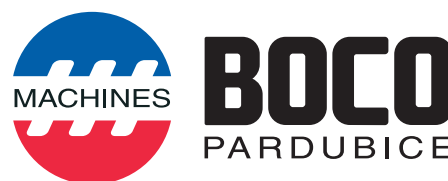


PVD PLATING OF SCREWS AND OTHER TOOLS



The company BOCO on the basis of experience with modifications ensuring extreme wear resistance (corrosion and abrasion) is coming with a special offer of **PVD plating** for working screw areas and other parts based on **CrN** and **TiN** layers.

The layer thickness according to the type selection 0.002–0.009 mm and the layer hardness according to the type selection 1750–2800 HV0.05.

Lifetime:

It extends the lifetime of hardened, nitrided and other similar standard thermal and heating treatments many times and highly exceeds quality and range of use in comparison with hardchrome and other special surface treatments.

Advantages:

- Very high wear and abrasion resistance
- Very high resistance to corrosion, oxidation and various types of solvents
- Very low coefficient of friction (many times lower when comparing with nitrided or hardchrome surface treatment)
- Due to the low surface adhesion, the tendency for processed materials to stick is extremely reduced
- Homogenous quality ensures high end-product protection against scratching when operating and cleaning



Final effect:

- Increasing production and product quality

Moreover we offer an extended CrN layer application when using PVD plating:

• CrN-MOD-modified layer

Product with very high wear resistance, extremely low tendency to sticking, suitable for manufacturing plastics and elastomers with high adhesion such as PMMA, POM, PUR, NBR, NR, EPDM, SBR, FPM, Fluoro-caoutchouc (PTFE, Viton), natural and synthetic rubber mixtures, modifiers, rubber compounds, etc.

Layer thickness 0.003–0.009 mm, hardness 2200–2700 HV0.05.

• CrN-MULTI-multilayer

Product with very high wear resistance, especially high corrosion resistance, high level of oxidation resistance, very smooth surface, suitable for manufacturing plastics (eg. during injection molding, extrusion, blow molding) such as PA reinforced with glass-fiber, PVC, PC, ABS, etc.

The total thickness of layers with medium PURE chrome layer 0.003–0.009 mm, hardness 2100–2500 HV0.05.