

NovaDur® F evo



The booster for your pressing and shaping tools

The new high-performance coating NovaDur® F evo (AlCrTiN) for pressing and shaping tools.

Pressing, cutting, bending, cupping and minting with more efficiency – with NovaDur® F evo (AlCrTiN), the coating technology optimized through innovative process technology. Optimized for the universal use of processing medium and high strength materials which are being used more and more across all industries.

Applications

Pressing and shaping tools

(pressing, cutting, bending, cupping and minting)

e. g. for medium and high strength materials

- + higher service life due to enormous wear resistance
- + good polishability
- + good gliding properties
- + higher productivity and economics due to high and secure production and low maintenance costs

Attributes of NovaDur® F evo coating

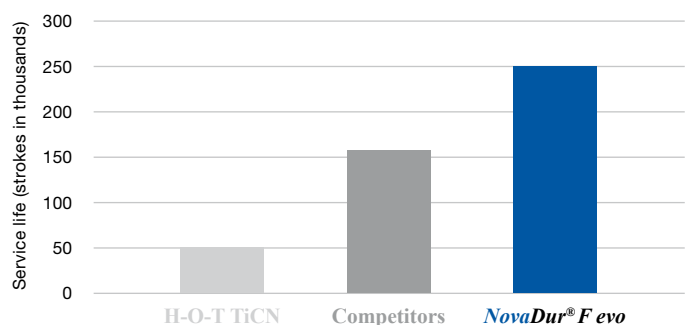
PVD coating	AlCrTiN
Coating composition	Nano structured
Micro hardness	3,000 – 3,400 HV
Thickness of coating*	3 µm and 6 – 9 µm
Max. operational temperature	1,100°C
Friction against steel	0.4
Colour of coating	black-grey
Recommendation for cutting tools	3 µm

* thickness of coating depends on the application (with respective tolerance of thickness coating +/- 1 µm)

Shaping test – Shear die

Material: S600 | Sheet thickness: 3.5 mm

Tool: D=45 mm | ASP2053 | 64 HRC | Hardened, tempered and polished by H-O-T





LET'S OPTIMIZE EXCELLENCE

HEAT TREATMENT

- Vacuum hardening
- Inert gas hardening
- Plasma nitriding
- Gas nitriding
- Salt bath nitrocarburizing
- evochrome process
- BLACK-NOX process
- AdBlack process
- Annealing
- Oxidizing
- Sub-zero cooling
- Heat flattening

TRIBOLOGY

- PVD coating
- PACVD coating
- Laser-ARC process

COATING TECHNOLOGY

- PVD coating
- PACVD coating
- Laser-ARC process
- UniTwin® combination systems
- hi-Fusion coating

PLANT ENGINEERING

- TT 300
- TT 1000
- TT 1500
- Concept plants

SERVICE

- Laboratory
- Polishing
- Consultation
- Glassy State
- Service life test
- Pick-up service
- Salt fog test
- Blasting processes
- Repair of coating fixtures

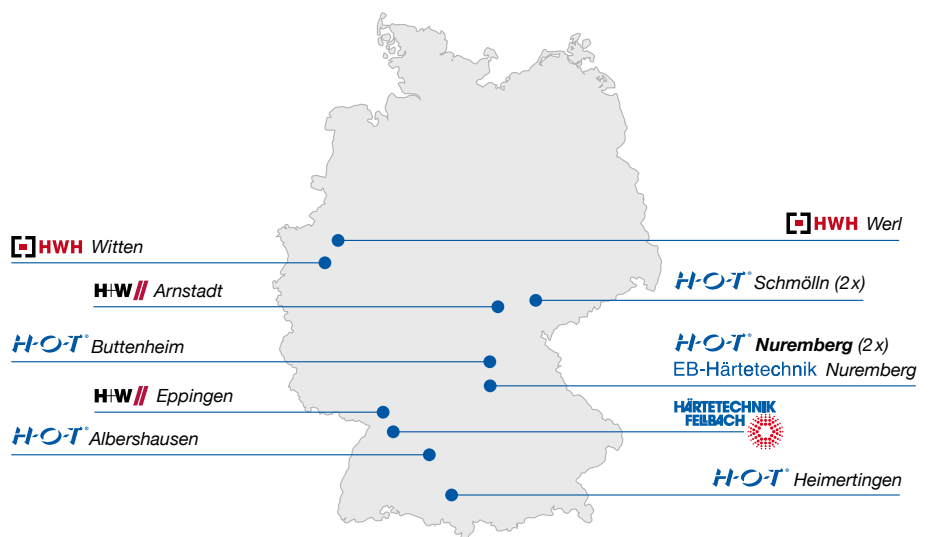
H-O-T

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