

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

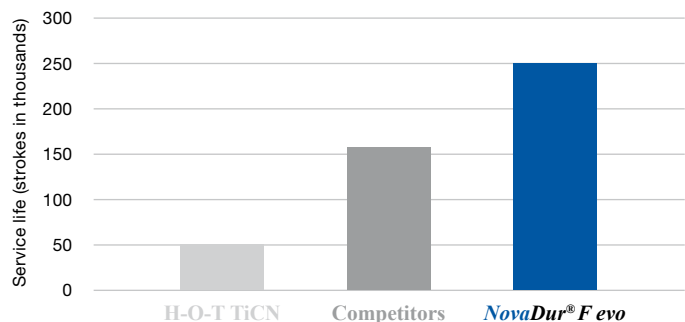
PVD coating	AlCrTiN
Coating composition	Nano structured
Micro hardness	3,000 – 3,400 HV
Thickness of coating*	up to 10 µm
Max. operational temperature	1,100°C
Friction against steel	0.4
Colour of coating	black-grey

* 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
Sub-zero cooling
Plasma nitriding
Gas nitriding
Salt bath nitrocarburizing
Annealing
Oxidizing

TRIBOLOGY

PVD coatings
PACVD coatings

COATING TECHNOLOGY

PVD coatings
PACVD coatings
UniTwin® combination systems
hi-Fusion coatings

PLANT ENGINEERING

TT 300
TT 1000
TT 1500
Concept plants

SERVICE

Laboratory
Polishing
Consultation
Service life test
Pick-up service

H-O-T

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