

# FEINAI Plus

## The next generation of the dedicated coating for fineblanking applications

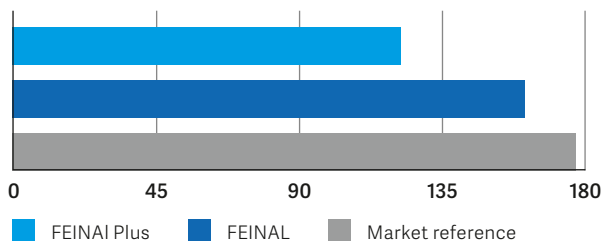
Longer tool life and higher tool efficiency: partner companies Blösch, Feintool and PLATIT release FEINAI Plus, a new generation of dedicated PVD coatings for fineblanking.

FEINAL® set the market standard for PVD coatings of fineblanking tools over many years through its dedicated coating design and seamless integration in a process chain of customized pre- and post-treatment steps. Based on the proven concept of FEINAL® and by adding several years of continuous development, the project partners announce the next level of coatings for fineblanking applications: **FEINAI Plus**

### Numerous innovations lead to the unmatched tool performance of FEINAI Plus:

- Dedicated AlCr multilayer creating a tough and flexible coating structure
- Selective doping with boron, simultaneously reducing internal stress and increasing hardness
- Improved crack resistance and thus less chip welding inside the cracks
- Specialized edge rounding processes and post-polishing steps tailored to the substrate material, tool geometry, and coating design

Average wear comparison [µm]



Tool: Fineblanking punch  
 Coating thickness: 3.5 µm  
 Source: Feintool Technology AG

### BLÖSCH

Blösch specializes in the processing and finishing of surfaces.

### FEINTOOL

Feintool is the leading manufacturer and expert in fineblanking.

### PLATIT

PLATIT manufactures high-tech PVD and PECVD coating units for tools and components.

#### Specifications

Color	grey
Nano-hardness [GPa]	38–40
Coefficient of friction [µ] PoD (at RT, 50% humidity)	0.3
Coating thickness [µm]	2.0–4.0
Max. service temperature [°C]	900
Coating temperature [°C]	400–500
Pi411 PLUS ECO	(Al, AlCrB20-10, Cr)
411 PLUS LACS®	(-, Al, Cr, TiB2 SCIL)

