

BALINIT HARD CARBON

Enabling productive processing of non-ferrous metals

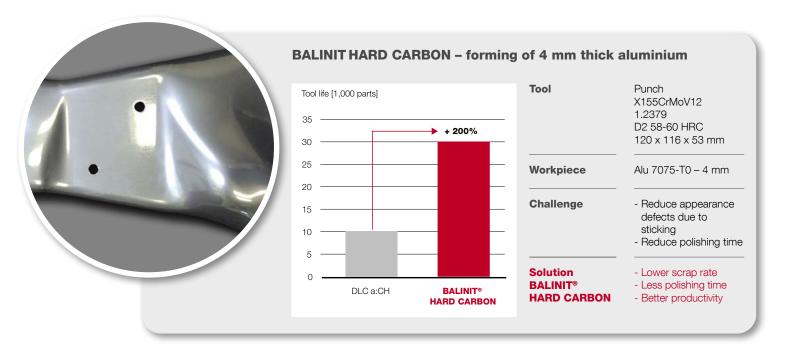




BALINIT HARD CARBON for processing non-ferrous materials

Processing non-ferrous metals presents a unique range of challenges. Material adhesion and galling are a constant issue leading to downtime and high tool usage.

BALINIT® HARD CARBON with its unique coating architecture enables the production of these materials, keeping the tools cutting edges sharp and eliminating galling and cold welding.



BALINIT HARD CARBON – the solution for a range of challenges

- High hardness v traditional DLC coatings
- Arc process allows complex shapes to be treated
- Unique rainbow colour
- Sharp cutting edges / no edge rounding
- Extremly thin coatings
- High control of coating thickness
- Strip & recoating

Take advantage of outstanding coating properties

	BALINIT® HARD CARBON
Coating material	ta-C
Thickness [µm]	0.2 – 2.5
Process temperature [°C]	< 150
Max. service temperature [°C]	500
Coating hardness H _{IT} [GPa]	50 – 60
Coating colour	rainbow/black

All given data are approximate values and dependent on application, environment and test conditions.

Benefit from the BALINIT HARD CARBON coating solutions Contact us now!