



RUBIG PVD Coatings

FOR TOOL AND MOULD PRODUCTION

In the aluminium sector – die casting, plastics processing and metal forming – high demands are placed on the tools. Corrosion and wear on surfaces reduce the service life and consequently increase production costs.

SURFACE TREATMENTS BY MEANS OF PVD COATINGS HELP IMPROVE YOUR QUALITY, PRODUCTIVITY AND BUSINESS.

METAL-FORMING APPLICATIONS

DEEP-DRAWING, PUNCHING, PUNCHING OUT AND STAMPING

- ▲ Increases the service life of functional surfaces
- ▲ Reduction in galling → improved surface quality
- ▲ Lower production costs and reduced need for lubricants

PLASTICS PROCESSING APPLICATIONS

FORMING TOOLS, INJECTION MOULDING AND EXTRUDING, BLOW MOULDING, MACHINE PARTS

- ▲ No/minimum build-up
- ▲ Protection for polished surfaces
- ▲ Improved ejection behaviour

Differentiation: The plastic touches or does not touch the tool

DIE CASTING APPLICATIONS

MOULDS, CORES, MOULD INSERTS

- ▲ Reduction in:
 - Abrasion and erosion as well as adhesive residue
 - Heat checking
- ▲ Longer service life and improved casting quality
- ▲ Lower ejection forces

RUBIG Coating Systems

A range of coating systems depending on the application
e.g.: AlCrN, CrAlN, TiAlN, CrN, CrCN, ZrN, ZrCN, DLC variants
Duplex process → for maximum service life: initial nitriding followed by coating



RUBIG DRIVING
SUCCESS

RÜBIG Technologie GmbH & Co KG
Schafwiesenstrasse 56, A-4600 Wels, AUSTRIA
Ivan Grgić DipEng | +43 664 88636322
ivan.grgic@rubig.com | www.rubig.com