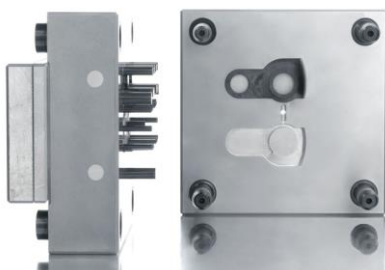


CrN Coating

... improves the performance of your moulding tools

SURFACE TREATMENT FOR
EASY DEMOULDING

A coating for universal wear protection of tools well-suited for highly polished, etched and eroded surfaces
– improves demolding and reduces deposits of plastics





COMMON APPLICATIONS

- Medical devices and surgical tools
- Food processing tools
- Hot runners, nozzles and needles
- Mold cavities
- Dies
- Engine components
- Pump parts
- Punching tools



CC CrN BENEFITS

- Improved quality of moulded parts
- Less sticking of plastics
- Better demoulding
- Multiple prolonged tool life
- Shortened cycle times
- Minimized down times
- Easier cleaning
- Reduced maintenance

	Tool steel (for comparison)	CC CrN
 Colour	Silver	Silver grey
 Thickness (µm)	–	1-5
 Hardness (HV)	500-800	1800
 Coating temperature (°C)	–	170*
 Max work temperature (°C)	200-400	700
 Friction coefficient (dry) against steel	0.8	0.5

*also available as a high temperature process at 350 °C