

... improves the productivity of your tools

SURFACE TREATMENT FOR
DRY LUBRICATION

An amorphous carbon coating with very low friction and high hardness, for dry lubrication and protection against sliding wear and galling



COMMON APPLICATIONS

- Medical devices
- Automotive components
- Firearms
- Dies
- Cores, inserts, sliders and moving parts
- Cutting tools
- Pump parts
- Engine components

CC DLC BENEFITS

- Protection from sliding wear
- Prevention of oil-graphite lubrication
- Reduced maintenance
- Reduction of manufacturing costs
- Multiple prolonged tool life
- Easier cleaning
- Shortened cycle times
- Minimized down times
- Reduced maintenance



		Tool steel (for comparison)	CC DLC
	Colour	Silver	Black
	Thickness (µm)	–	3
	Hardness (HV)	500-800	2800
	Coating temperature (°C)	–	170
	Max work temperature (°C)	200-400	500
	Friction coefficient (dry) against steel	0.8	0.1