

DLC - Diamond Like Carbon coating for Dies and Molds



DLC FOR ALL TYPES OF DIES AND MOLDS.

DLC DECREASES WEAR AND RAISES CORROSION RESISTANCE, extending the service life of molds.

DLC FILM THINNESS AND LOW-TEMPERATURE

(150°C) COATING PROCESS excellent for tools with highest precision demands, regardless of material.

TROUBLE-FREE OPERATION

Due to DLC's low coefficient of friction, dies and molds operate smoothly. Ejectors and sliding parts are jam free. **DLC drastically improves the release of** the parts from dies and molds with most plastics and metals.

LONGER MAINTENANCE CYCLE

Enhanced hardness and strength of DLC coating maintains the surface texture of the working surfaces, and tight tolerances for longer production runs. Because material releases freely at the workplace, reducing tool cleaning and parts damage and lengthening maintenance intervals often more than four times.

WORKING PROCESS TEMPERATURE

DLC coating can be adjusted to a range of working temperatures from 300 C° to 650 C° using multilayered processes

UNIFORM QUALITY

Dimensional accuracy and surface quality of parts are uniform in longer production runs. Dies and molds can be operated successfully without lubrication, ensuring contamination free production for medical and other critical applications, or reducing make ready for further surface treatment.

