Process descriptions:
PACVD coating processes for stripping and removal of titanium and carbon based coats.

GOLD LF PLASTIT®:
The universal hard material coats on TiN basis provides lower friction coefficients (< 0.2) in comparison to steel. First choice for tools in plastics processing.

CARBON LF PLASTIT®:
The multi-coat system based on TiCN is characterised by great hardness and a high degree of wear resistance in the moulding area.

BORON Nanocomp PLASTIT®:
Is a multi-layer coat with nano structure and with TiN / TiB2 base components. It is characterised by its great hardness (TiB2) and elasticity thanks to the multi-layer structure. This coat has been developed for aluminium die casting tools since it provides high degree of temperature resistance and wear protection.

DL Coat PLASTIT®:
See data sheet of DL Coat PLASTIT®

DLC Xtended®:
See data sheet of DLC Xtended®

Industries using this process:
→ Plastic processing, aluminium die casting, moulding engineering

Materials:
→ Quenched and tempered steels
→ Tool steels
→ Hot-forming tool steels

Main features:
→ Great wear resistance for increase of the service life of tools and dies
→ Very smooth coats (no droplets)
→ Large component dimensions and complex geometries possible

Coat hardness:
→ TiN ~2.000 HV
→ TiCN ~2.500 HV
→ TBN ~4.500 HV

Coat thickness:
→ ~2 µm
PLASTIT®

Plant dimensions:
→ 700 mm x 1.200 mm

Major use and purpose of the process:
→ Protection against wear of tools and dies
→ Increase of service life of tools and dies

Throughput duration:
→ Upon request

Possible preparation treatment of the surfaces for optimum surface condition:
→ Free from grease, oil, processing agents or drawing and casting skins
→ No corrosion
→ Clean cooling channels

Important:
→ Installation surfaces are not treated

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