



HIGH-QUALITY DIAMOND-LIKE COATING



PLASCO**SAM**® / DIAMOND-LIKE CARBON

THE COATING

/ WEAR RESISTANT ANTI-STICK COATING.

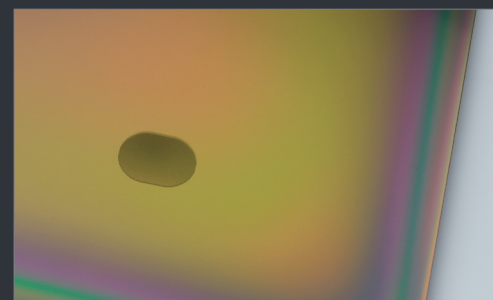
PlascoSAM® is a modified "Diamond-Like Carbon" (DLC) coating. PlascoSAM® yields very low surface energies combined with high hardness. Due to these unique properties the coatings offer a wide range of benefits for the production of ID, banking and healthcare cards.

THE BENEFITS

/ LAMINATION PLATE COATING.

Lamination plates coated with PlascoSAM® effectively help to improve product quality while reducing manufacturing costs and lowering the number of defective goods:

- // easy separation of foil and lamination plate
- // very high scratch resistance (more than 1.000 HV)
- // extremely thin coating (2µm) and very high contour accuracy
- // prolonged lamination plate lifetime
- // reduced electrostatic charging
- // no residues of the foil / magnetic stripes on the lamination plate
- // reduction of cycletimes due to higher removal temperatures
- // PVC, PET-G and PC can be processed with coated lamination plates



CASE STUDY

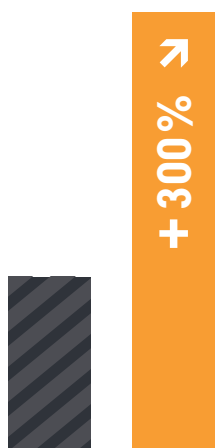
/ MANUFACTURING OF ID DOCUMENTS.

One of our customers produced PC-cards for governmental use. With the help of PlascoSAM® coated lamination plates, the total tool costs were successfully reduced by up to 30 %. Further customer benefits related to improved card quality, reduced process costs and less defective goods.

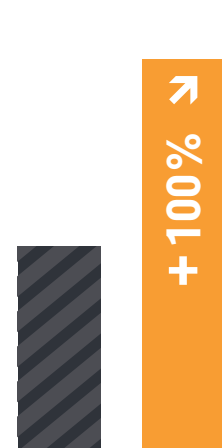
COST AND QUALITY MANAGEMENT

// 01 ■ WITHOUT COATING / 02 ■ WITH COATING /

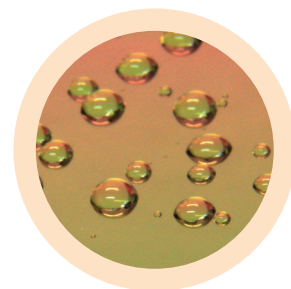
SURFACE HARDNESS (HV)



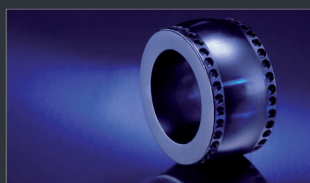
LIFE TIME (CYCLES)



TOTAL TOOL COSTS (EURO)



* // the actual savings may vary with the specific customer-employed process



QUESTIONS?

PLEASE DO NOT HESITATE TO CONTACT US.

If you have any further questions or if you are interested in a sample coating, please feel free to contact us.

CONTACT

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