



BODYCLAD® COATING PROGRAM

ABOUT BODYCLAD®

BodyClad® - Coatings are applied by special heat treatment on the components with customized Tapes, slurries or preforms. Coating material is on the base of metal matrix (Ni,Co,Cu,Fe) with up to 80% - 90% Vol. hard metal (WC/W2C, CrC, WC/CrC, CBn, Diamond etc.)

Coating layer can be applied up to several millimeters in thicknesses and highest wear protection is achieved with a very tight adhesion by metallurgical bonding to components. By variation of hard metal, hard metal type, shape and grain size as well as morphology, coating surface can be achieved to exact customized requirement.

BodyClad® - Coatings are particularly suitable for applications subject to highest wear- and corrosion demand. For example, for tools in the wood, earth and rock processing, agricultural engineering, cutting applications, safety technology, in plastics processing, engine, turbine and conveyor technology, as well as the glass and ceramic processing industry.

WHICH BENEFITS CAN BE ACHIEVED BY BODYCLAD® - COATINGS?

- Net-shape coating also for parts with complex geometries
- Optimize of surface functionality by customized coating design
- Partial coating of tools is available
- Inside and outside coating are available
- High reliability by high strength metallurgical bonding between coatings layer and Tools
- Homogeneous and dense coating layer structure enable to highest wear resistance, high economical benefit and process reliability.
- Applying either for new part coating or restructuring for wear out and destructed part
- Entire components for wear resistance and safety engineering are available



OUR SERVICES

- **Consulting and constructive Performance**
- **Engineering, Process Development and Prototyping**
- **Coating- and Brazing Service**
- **Premixed Powders, Tapes and Slurries, Presintered Sheets**
- **Wearplates and Wearparts**