

BusaDUR® Wear Protection Technology

Busatis developed our most flexible coating technology **BusaDUR®** for highly stressed machine components in wear-intensive industries.

Advantages of the BusaDUR® wear protection coatings:

- ▶ High flexibility regarding variety of materials
- ▶ Extreme variability regarding surface from a very smooth surface for efficient material flow
 - ▶ To a strong roughness for severe conditions
 - ▶ Wear resistance many times higher than pre-hardened steel
- ▶ Formability and workability after sintering process (rolling, edging, milling, grinding, welding)
- ▶ Saving of costs and time – less downtime
- ▶ Less maintenance effort

What types of components are suitable for BusaDUR® coatings?

- ▶ From big flat surfaces to complex component geometries
- ▶ Coating thickness: 1-2 mm
- ▶ Base material thickness: 3-8 mm (other thickness on request)
- ▶ Maximum base material length: 1,200 mm

On which substrate materials can BusaDUR® be applied?

- ▶ All weldable ferrous materials, including tempered steel

What are typical hardfacing materials of BusaDUR®?

- ▶ Standardized high-performance materials consisting of matrix alloys with synthetic or metallurgical precipitated hard materials
- ▶ Custom-made matrix alloys and hard materials on request

What are the advantages of BusaDUR® coatings?

- ▶ High flexibility due to modular coating technology, which allows a variety of materials to reach the requested properties exactly regarding wear
- ▶ Extreme variability regarding surface finish from a smooth surface without further processing for efficient material flow to strong roughness by adding hard material for severe conditions (e.g. soil cultivation)

Production and Quality: Busatis manufactures its products on the most modern, automated, and robot controlled systems and meets the strictest quality specifications by making use of its **expertise** and **technical equipment**. Busatis is able to manufacture **all products with consistent high quality**.

