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PRODUCTS OR MACHINERY

Application Examples

Our powders are applied in a wide range of thermal surfacing techniques such as:
Powder welding is typically used for coating in moulds, neck rings and plates for the glass-bottle-making industry.
Flame spraying efficiently applies a high-hardness surface on bottle neck plungers.
Plasma and HVOF (High-Velocity Oxy-Fuel) spraying keeps cutter blades sharp in the paper industry.
PTA Surfacing (Plasma Transferred Arc) is a surfacing method that reduces wear and corrosion on valve seats and ball valves. It is also used in the chemical industry to increase corrosion resistance and reduce mechanical wear.
Laser cladding is used for renovating critical industrial components such as shafts, bearings and sealing surfaces. Laser cladding creates coatings, while having a minor thermal effect on the basematerial.

Bottom mould

Bottom moulds for the glass bottle industry are protected by thermal surfacing. Resistance to erosion and adhesive wear at high temperatures combined with good corrosion resistance is required.
Bottom moulds, bottom plates, rings, sealer and baffles all benefit with extended operating life.

Moulds

Moulds for the glass container industry with length 20 - 400 mm are protected by hardface surfacing. Resistance to oxidation and abrasive wear is essential to extend mould life and reduce down time.
The mould, mould neck, and mould base funnel are generally coated.

Plungers

Plungers for the glass bottle industry come in a large range of shapes but all benefit from protective thermal spray surfacing. Resistance to erosion and adhesive wear at high temperatures combined with good corrosion resistance is required.
Plungers or neck plungers all benefit with extended operating life.

Company Profile of Höganäs

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