KEY INDUSTRIES

- Oil & Gas and Petrochem
- PowerGen, Hydro PowerGen and Waste Management
- Food & Packaging
- Process Industry
- Mining & Drilling
- Pulp & Paper
- Plastics

HARDFACING & COATING

- HVOF
- APS or PNTA
- Welded Coatings (PTA, TIG, MIG, etc.)

MACHINING CAPABILITIES:

- Turning
- Milling
- Drilling
- Grinding
- Lapping
- EDM

QUALITY & LABORATORY

- Dye Penetrant Test
- Hardness Test
- Bend Test
- Micrograph & Porosity Inspection
- Outsourcing specific analysis to external laboratories

CERTIFICATION

- ISO 9001-2008

For more information or inquiries, please contact:

Deloro Coatings S.r.l.
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Email: info.coatings@deloro.com

Your source for reliable Wear Solutions that ensure productivity

Deloro Group is dedicated to providing superior and reliable solutions for Wear and Corrosion Protection. When you partner with Deloro, you can expect cost-optimized solutions that will enhance and extend the life of your machinery/parts.

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COATING TECHNOLOGIES

Thermal Spray

HVOF: High Velocity Oxy Fuel

The powder particles are heated and transferred with high kinetic energy to the surface of the workpiece providing a dense coating with excellent bonding properties.

APS: Air Plasma Spray

At high temperature a plasma gas stream softens or melts the coating particles which are transferred to the workpiece. Suitable for spraying of high-melting point metals as well as their oxides. APS is also suitable for Cerments and Copper-Aluminum coatings.

Spray & Fuse

The coating powder is softened or melted in an oxyacetylene flame and transferred to the workpiece. In a second stage, the sprayed coating is fused to the workpiece. Mainly used for coating of thermocouples.

WELDED COATINGS

PTA: Plasma Transferred Arc

Automatic welding process with high powder utilization and very low dilution. Suitable for all cobalt alloys like Stellite™ and Tribaloy™ and nickel powders like Deloro™.

TIG – Tungsten Inert Gas

An arc is drawn between a non-consumable tungsten electrode and the workpiece and the pool of the hardfacing material is shielded by an inert gas. TIG is a simple, manual, flexible process.

MIG: Metal Inert Gas

Welding Wire is fed through the torch into the arc, where it is melted and transferred to the workpiece with a stream of shielding gas.

MMA: Manual Metal Arc

In this process an arc is drawn between a coated consumable electrode and the workpiece. The electrode coating melts to form a gas shield around the arc and the welding pool.

Massive Products: Stellite™ and Stellite™6B

Machining capabilities to produce massive Stellite™ parts like bushings, rings, spacers, washers, etc. starting from cast bars. Stellite™6B (AMS 5894) is a forged and/or rolled material. Bars and sheets present extraordinary resistance to wear due to the homogeneous structure and are normally used in demanding environment in Aerospace, PowerGen and Petrochem applications.

Stellite™6K Industrial Knives

Industrial Knives and scrapers supplied finished to drawing in Stellite™6K to increase the lifetime up to 10X in corrosive and abrasive environment. Typical thickness 0.8 – 9.5 mm.

Dimension and Weight

<table>
<thead>
<tr>
<th>Hardfacing Processes</th>
<th>Min and Max Workpiece Dimensions</th>
<th>Weight (kg)</th>
<th>ID (min.)</th>
<th>OD (max.)</th>
<th>Length (max.)</th>
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<tbody>
<tr>
<td>Automatic Gas Tungsten Arc Welding</td>
<td>40</td>
<td>450</td>
<td>300</td>
<td>200</td>
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<tr>
<td>Manual Gas Tungsten Arc</td>
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<td>200</td>
<td>150</td>
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<td>Air Plasma Spray (APS)</td>
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<td>1500</td>
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<tr>
<td>Plasma Transferred Arc (PTA)</td>
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<td>1600</td>
<td>5000</td>
<td>2500</td>
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<tr>
<td>High Velocity Oxy-Fuel (HVOF)</td>
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<td>2700</td>
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