

HDI
MOUROT

HENRY DESJONQUERES INDUSTRIES

NEARLY 50 YEARS OF TECHNICAL
KNOW-HOW ON HARDFACING AND HARD COATINGS



www.mourot.com



For nearly 50 years, Mourot Industries has been providing its customers with solutions to problems of mechanical resistance, corrosion, wear, temperature resistance...by reinforcing the mechanical characteristics of their parts.

Our company is specialized in the techniques of hardfacing, thermal spraying and ceramic

protection, both on new parts and on parts to be repaired, integrating the whole manufacturing chain.

A dedicated team of Mourot Industries is available to investigate your product failures or help design in order to increase the lifespan of your products.

OUR OBJECTIVES

- ✓ Increase the lifespan and performance of your products
- ✓ Reduce your maintenance costs
- ✓ Make your supply chain reliable with reactivity and authenticity

OUR KNOW-HOW

Mourot Industries has a very high level of technical expertise in Cobalt, Nickel or Iron based hard surfacing techniques, in HVOF or plasma thermal spraying techniques, as well as in its special Revetox process.

These technologies are complemented by a very high level of expertise in machining, particularly for the finishing of new or repaired products.

OUR STRENGTHS

- ✓ Our site gathers all the proposed techniques, for a better control of the deadlines.
- ✓ Our technical experts support you in your complex projects
- ✓ A R&D team prepares for the future
- ✓ Reactivity at your service

OUR AGREEMENTS

- ✓ Certified ISO 9001 2015 version
- ✓ Accredited EDF, Framatome
- ✓ Accredited Airbus
- ✓ RCCM, ASME



WELDING

Coating by welding of different types of alloys based on Cobalt, Nickel or Iron on all types of metal supports. The deposited thickness varies from a few tenths to several millimetres.

Our processes :

- ▶ OA | Oxy acetylene
- ▶ ARC | Electric arc welding
- ▶ TIG | Tungsten inert gas
- ▶ PTA | Transferred plasma arc
- ▶ SF | Spray-fuse

REVETOX

The REVETOX process is a thermochemically deposited ceramic coating with excellent wear and corrosion resistance properties, making your parts wear-resistant.

- ▶ Minimum hardness: 1800 HV
- ▶ No porosity
- ▶ A workshop is entirely dedicated to this thermochemical coating
- ▶ Different formulations are available, depending on the nature of the substrate
- ▶ Patented process

PROJECTION

Our workshops are equipped with all thermal spraying processes :

- ▶ HVOF (High Velocity Oxygen Fuel), process for supersonic speed spraying of carbide type particles (chromium carbide, tungsten carbide...).
- ▶ Plasma, process for the production of ceramic-type coatings, cermets (chromium oxide, alumina, zirconia, etc.).

Spraying can allow coating thicknesses from a few hundredths to several tenths of a millimetre.

MACHINING

Our various mechanical workshops (turning, milling, grinding and lapping) enable us to produce a wide variety of parts in a wide range of alloys (steel, stainless steel, duplex or super duplex steel,...), and also all the final operations in order to ensure the reliability of the produced coating.

Our numerically controlled and conventional machines are suitable for single parts as well as for small and medium quantities.

Our dedicated dimensional control rooms and chemical laboratory guaranty the quality of your products.





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DEFENCE



ENERGY | NUCLEAR | PETROCHEMICAL INDUSTRIES



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