aeroavance

www.aeroavance.com

SPECIALIST IN INDUSTRIAL MANUFACTURING

We keep moving forward

Welcome to Aeroavance

Founded in 2004 by a highly experienced team in the milling and shaping of aeronautical elements. We currently offer INTEGRAL MANAGEMENT of the product, from purchase to final delivery after final processes. We follow a business philosophy based on:

Quality guarantee.
Focus on customer.
Continuous improvement.
Competitiveness.
Customer satisfaction.

Apart from the aeronautical sector, Aeroavance develops projects in many other sectors like the naval, automotive, civil works, machinery construction…

Quality guarantee & product assurance

Our quality system is certified since 2006. Various Lean tools and our product know-how have ensured that our level of defects and product qualitity are considered by our customers within the framework of EX-CELLENCE.

Obtaining Delegated Quality by AD&S in June 2018.

We have certifications covered under the EN 9100:2018 and

Our technical team is at your disposal to solve any design, production and budget needs quickly. and efficiency it requires.

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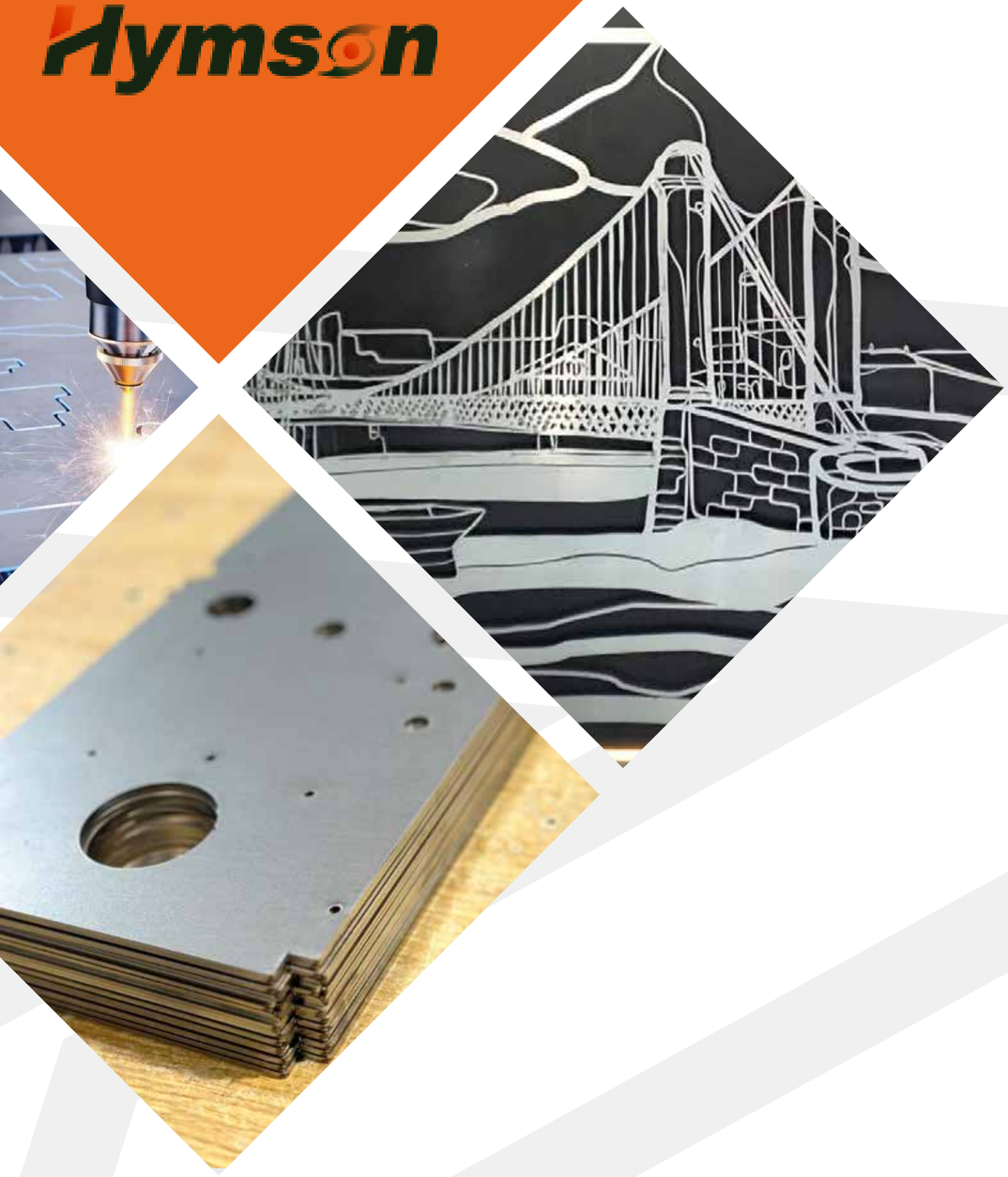
Láser cutting

Milling machining

Welds

Hymson



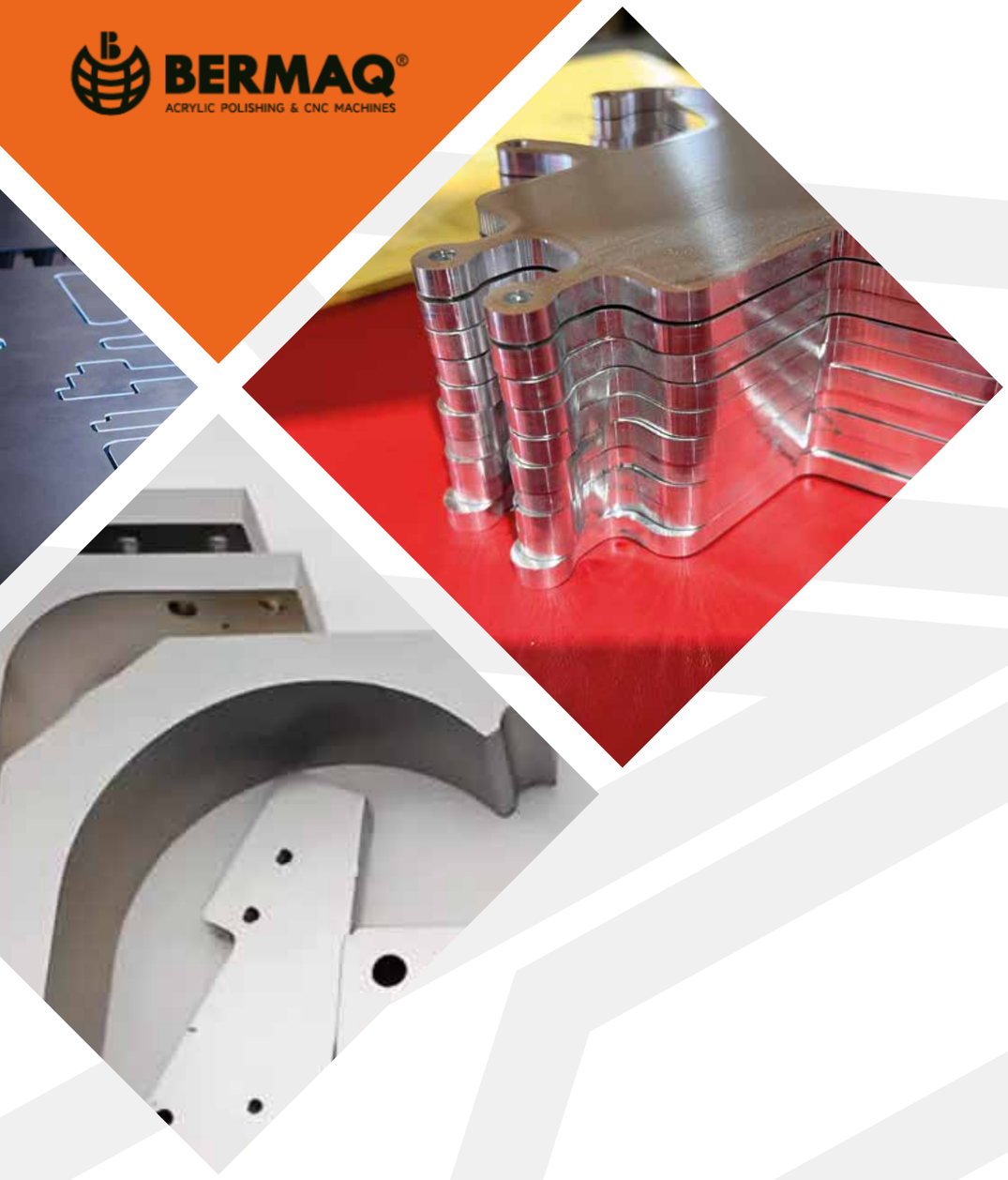
Láser cutting

Laser cutting of all types of metallic materials (steel, titanium, aluminium) This technology is currently focused on the manufacture of elemental materials . We currently have a 3 axis machine with a quick exchange table

Hymson edger:
It has an effective work surface of 3000X1500mm and 3Kw.

Materials	Cut thicknesses
Steel Inox	10mm
Aluminium	8mm
Brass	6mm
Carbon steel	20mm

BERMAQ®
ACRYLIC POLISHING & CNC MACHINES



Edging by CNC milling

Milling of aluminium alloys in all of their termical treatments and states (T3, T0, T6,T761…).
This technology is also suitable for other types of materials (copper, teflon, thermo-plastics…). Currently, we have 2 milling machines with 3-axes technology 24Kw and 25000r.p.m.

CNC MILLING BERMAQ FCF-146:
It has an effective work surface of 4000X1500mm divided in two tables.

CNC MILLING BERMAQ FCN:
It has an effective work surface of 4000X2000mm divided in two tables

Materials

ALUMINIUN → COMPOSITE → POLYSTIRENE

Aplications

- Naval sector
- Aeronautic sector
- Railway sector
- Automotive sector

Waterjet machining

Waterjet cutting of all types of material (steel, titanium, polyamide…). This technology is currently focused on the manufacturing of elements and the realization of inputs states for machining. Currently, we have 2 waterjet machines with 3-axes technology for thicknesses up to 200mm.

TCI WATERJET WC:
It has an effective work surface of 3000X1500mm y 4000 bars of pressure.

Flow WATERJET WMC2:
It has an effective work surface of 4000X2000mm y 6000 bars of pressure.

Water jet cutting

AKIRA-SEIKI
PRECISION CNC MACHINE TOOLS

Milling machining

Specialized machining in auxiliary sheet metal (recesses, wedge milling, pool milling, countersinks, laminates…). Within our manufacturing catalog of other types of elements (accesories, supports…) We currently have 2 machining centers with 3 axis technology.

CNC AKIRA SEIKI V5 MACHINING CENTER:
It has an effective work surface of
1300X550mm and 700mm depth.

CNC CHEVALIER F-2040HB MACHINING CENTER:
It has an effective work surface of
1350X350mm and 500mm depth.

ERMAKSAN

Folder machine

The folding of aeronautical elements in the industry is a widely used process to provide resistance and rigidity to the metal sheet and/or to change its moment of inertia.

FOLDER ERMAK AP-2100MM.
FOLDER ERMAK AP-1270MM.
FOLDER ERMAKSAN ECO 3000MM

Shaping

The shaping of aeronautical elements is a Core activity within our organization, being specialists in elastoforming and manual adaptations to the geometries required by the product and tooling associated with it.

Hydraulic cushion press 600x600mm.
Electric water dispenser PICCOLO Eckold.
Manual imbiber Eckold.
Forming rollers.
Auxiliary tooling and folding radii.

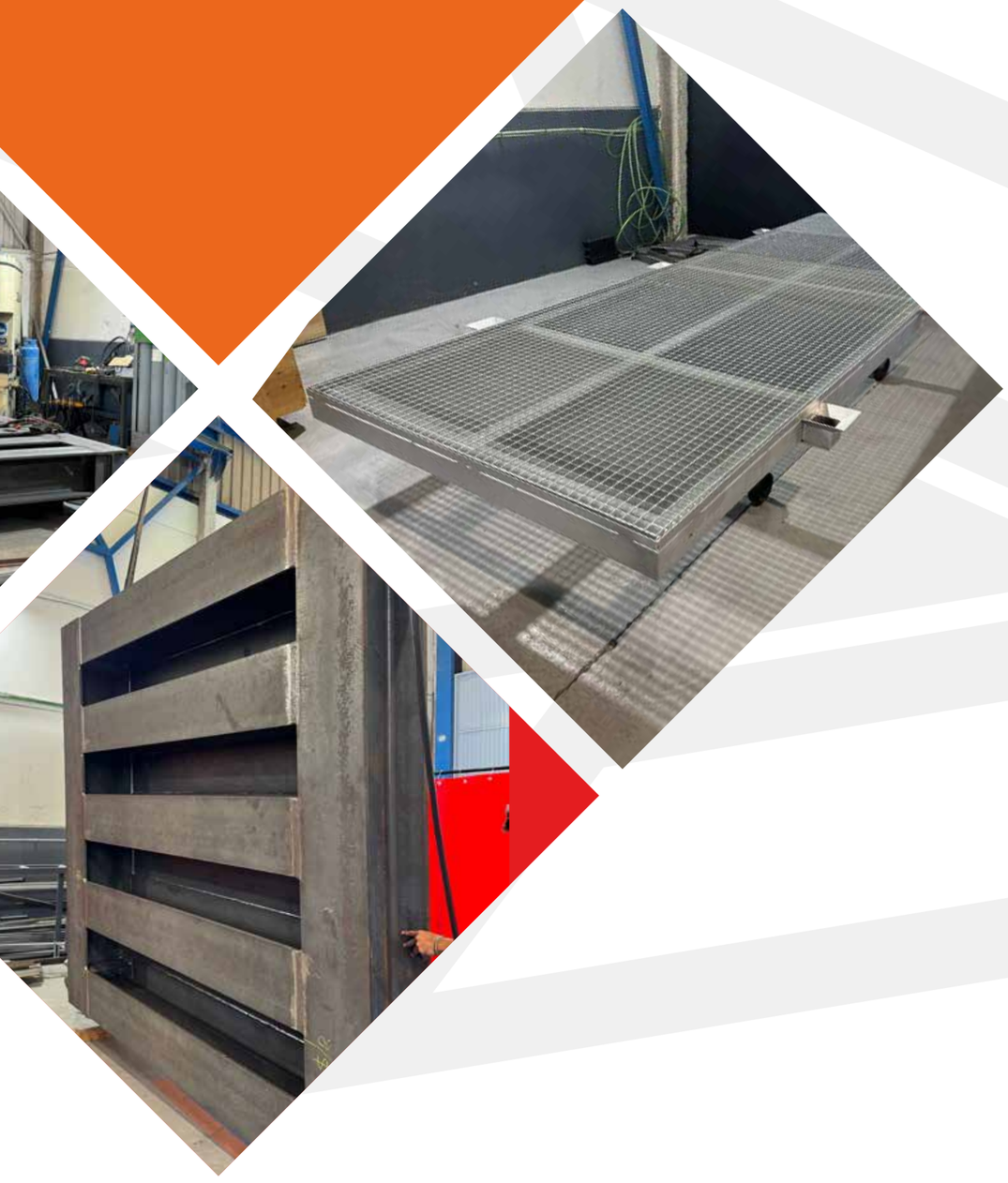
Welding Equipment

TIG welding is mainly used for thin and medium thickness materials, offering maximum quality. Whether on a production line or for mobile applications,

Fronius Pulse 4000
kemppi X5 Power Source 400

- *TIG*
- *MIG*
- *LÁSER*
- *ELECTRIC ARC WELDING*
- *GAS*

MAX SPEED



Design, manufacturing tooling and structures

We are specialists in the manufacture of aeronautical tooling and manufacturing (DBMA, CLFO, PLDF) as well as auxiliary tooling (assembly stands, carts, auxiliary tables)

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- Tecnology
- Quality
- Innovation
- Improvements
- Satisfaction
- Personalized attention

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