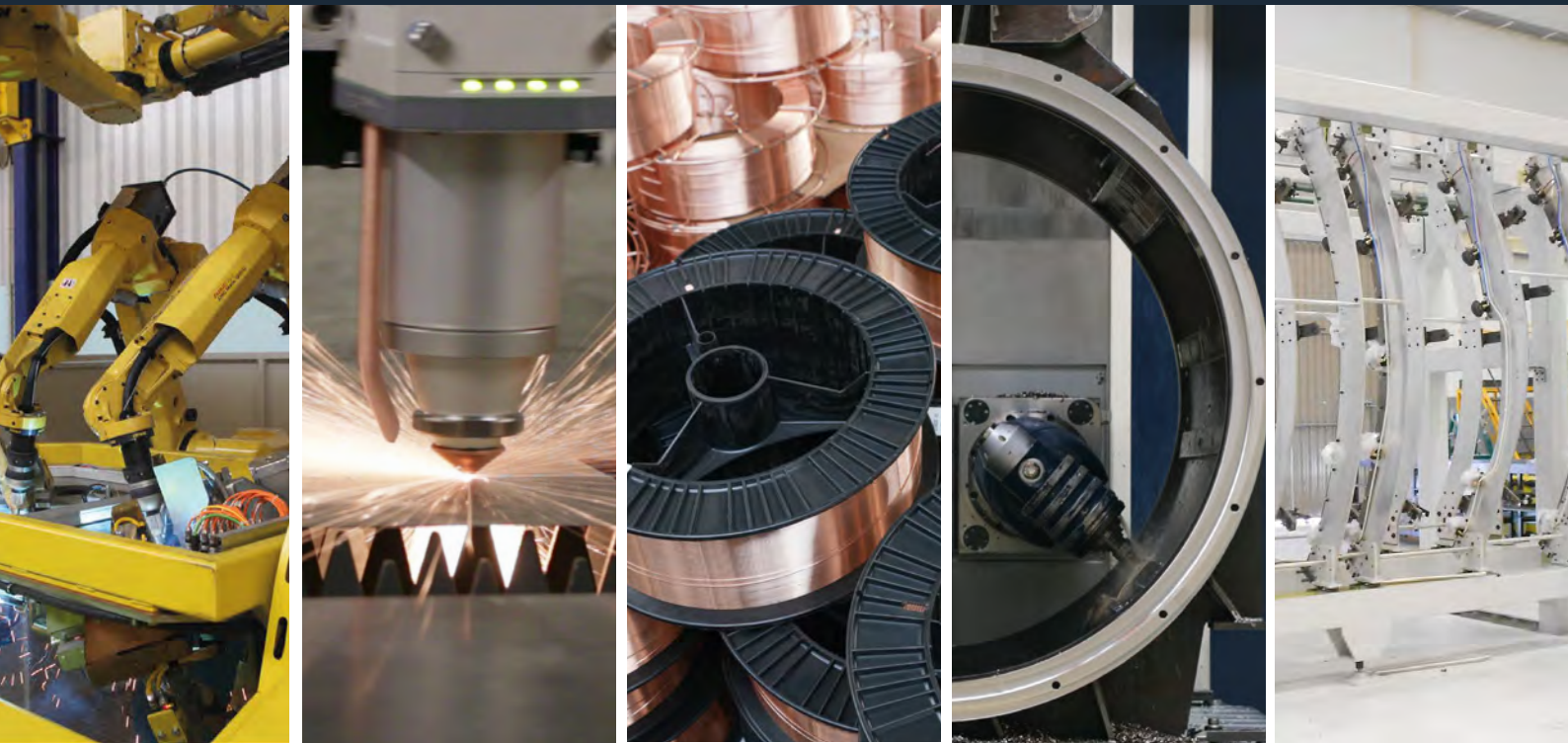


WELDING AND CUTTING SOLUTIONS

Motofil's range of solutions



motofil

CUTTING & WELDING SOLUTIONS

“IMPOSSIBLE” PROJECTS ARE PART OF OUR DAY-TO-DAY



With over 35 years of experience, we have become one of the leaders in the automation and robotics markets.

Our growth strategy is based on research and development, on the continuous improvement of the processes and final products, in accordance with the specific needs of each client. This is carried out through an transversal global process with each client and company belonging to the group.

At Motofil, we persistently defy barriers in development, with projects which seem impossible, but to us are a daily source of motivation.

We create complete solutions with integrated systems, motivated by the certainty that the pairing of innovation and competence is the only path to the future.



CONTINUOUS SUPPORT IS OUR COMMITMENT



01. COMMERCIAL TEAM

Motofil commercial team is available to develop, together with the client, the best technical and commercial solution for their production needs. To fulfil this goal, it relies on a highly experienced team endowed with the means of analysis and simulation to develop industrial solutions which promotes the profitability of our clients, anywhere in the world.

02. PROJECT TECHNICAL TEAM

Motofil has different teams of technicians specialized in mechanical design, automation and processes, whose function is to guarantee the complete development of solutions which fulfil the client's specifications and needs. This teams are also responsible for the management, planning, technical documentation and start of production of the project, including the dimensional and metallurgic validation of the parts produced.



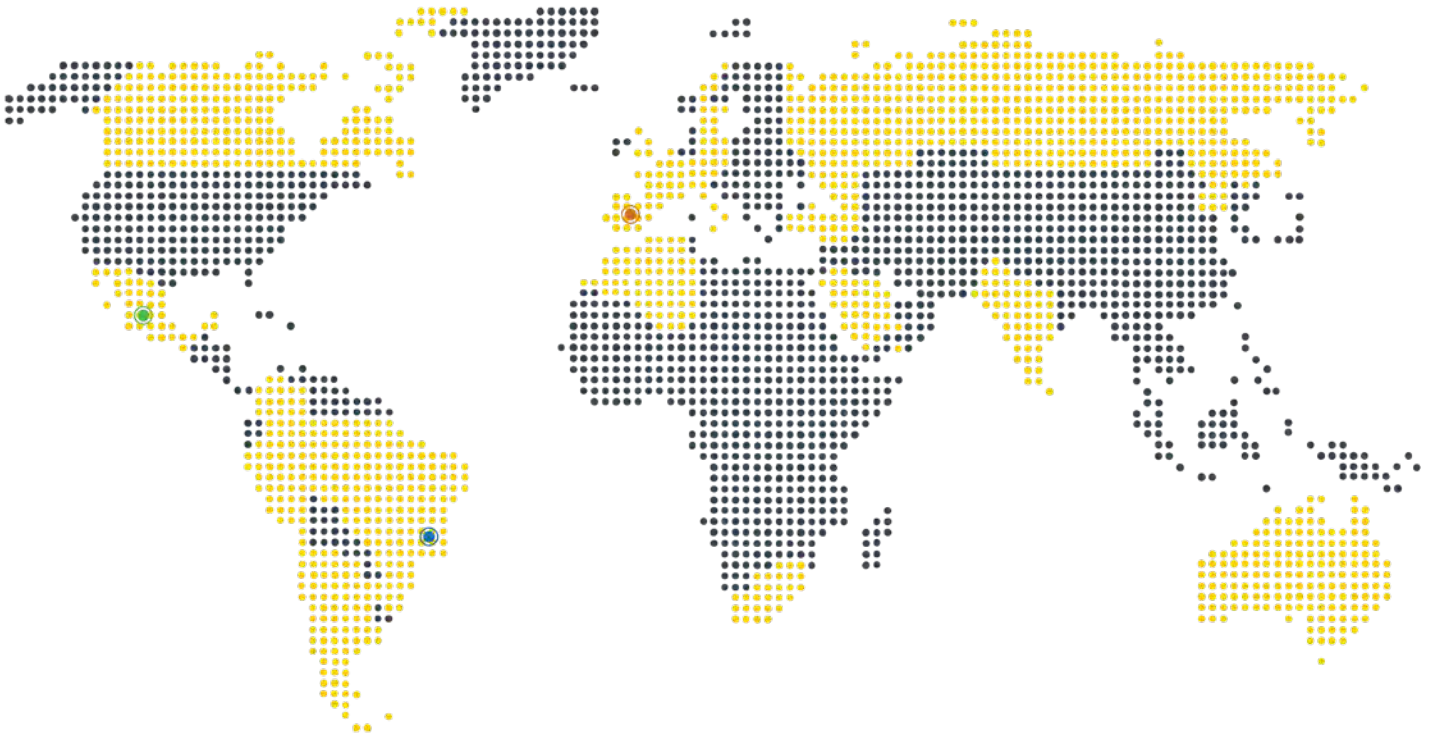
03. PRODUCTION TEAM

The production team has at its disposal all the technologies (cutting, bending, welding, machining, painting, among others) and the most complete means for the equipment production. The team is responsible for the assembly of the mechanical, electrical and pneumatic equipment, as well as the final installation.

04. TECHNICAL ASSISTANCE AND TRAINING

Our technical assistance assures the equipment's proper functionalities, during its lifetime anywhere in the world.

Motofil also believes that the success of its clients depends on the training of its operators and technicians. Therefore, the training of operators and the programming of equipment and processes is an integral part of our supply and our services.



- **Motofil Ibérica**
established in 2004
- **Motofil Brasil**
established in 2010
- **Motofil México**
established in 2014

WE HAVE OVER
2 000 SOLUTIONS
INSTALLED IN MORE THAN
30 COUNTRIES

DEMANDING PROCESSES
IN EACH PHASE

01.
WELDING



MIG/MAG
TIG
Resistance
Arc Welding

02.
HANDLING



Bending
Handling of parts
Palletizing
CNC loading/unloading

03.
CUTTING



Fiber Laser
Plasma
Oxyfuel
Combined

04.
TOOLING



Parts for the aeronautic's industry

05.
SERVICES



Turning
Milling
Machining of large parts

06.
CONSUMABLES



Welding Wire
Consumables for Cutting and
Welding equipment

01.

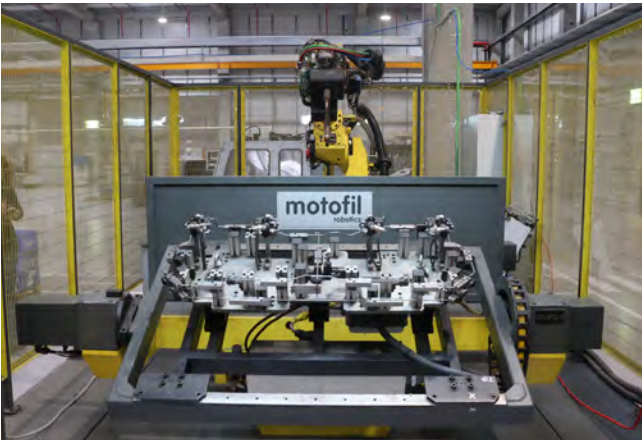
ROBOTIZED WELDING

Motofil is one of the major European manufacturers of **Robotics’ solutions**, offering a wide range of standard systems, to various types of industries, such as the production of agricultural machinery, metallic structures and furniture, heating systems, among others.

PRE-ENGINEERED WELDING CELLS



Monoblock Front/Back Configuration
Load capacity from 300 to 2000 Kg



3-Axis H-Table Welding System
Load capacity from 300 to 1000 Kg



5-Axis H-Table Welding System
Load capacity from 300 to 600 Kg



Ferris Wheel Welding System
Load capacity from 300 to 1000 Kg



Mlean Ferris Wheel Welding System
Load capacity from 300 to 1000 Kg



Classic Double Sky-Hook Welding System
Load capacity from 300 to 1500 Kg



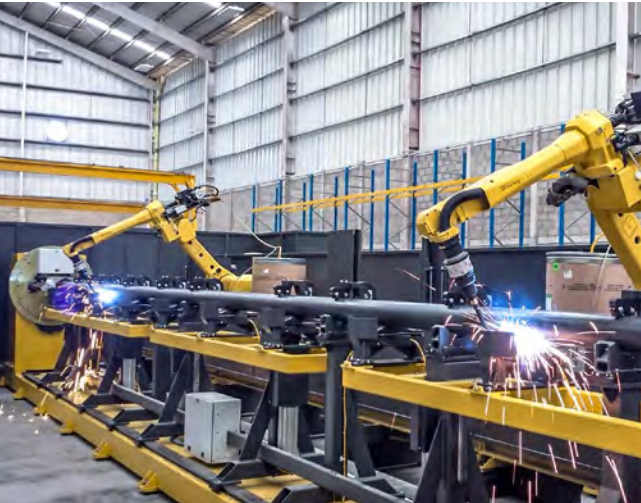
MAIN APPLICATIONS:

- Heat recovery units;
- Metallic furniture;
- Agricultural components;
- Electrical cabinets;
- Car and bicycle components;
- Metallic components;
- Thermosolar and photoelectric industry.

01.

ROBOTIZED WELDING

SPECIAL SOLUTIONS



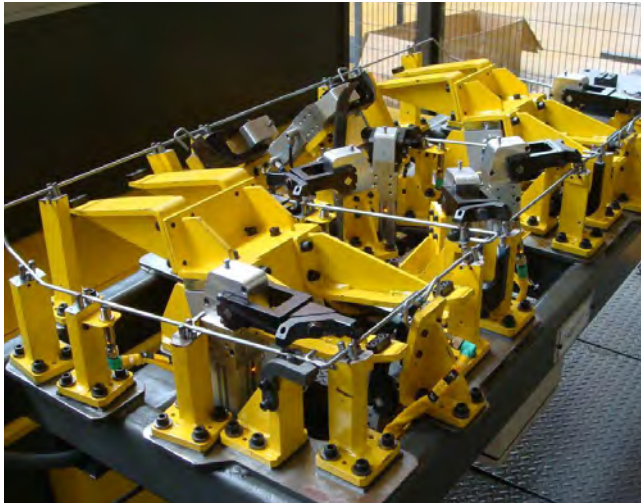
HS/TS Positioner



Weldpro



Robotized Welding Column and Boom



Welding Jigs



Welding Gantry w/ different workstations



Special Welding Gantry



Rotative Welding Column



HS/TS Positioner w/ Central Hanger

01.

WELDING AUTOMATION

WELDING AUTOMATION SOLUTIONS



Flange Orbital Milling Machine



Wind Turbine Blade Orbital Milling Machine



Shell to Shell Alignment Machine



Turning Rolls (fixed, self aligning or fit-up)



Painting Positioners



Welding Column (Manipulator)



Beam Line Welding Machine



Welding Bench

A collage of six images showing various Motofil welding automation solutions in use, including large pipes, wind turbine components, and industrial structures.

MAIN APPLICATIONS:

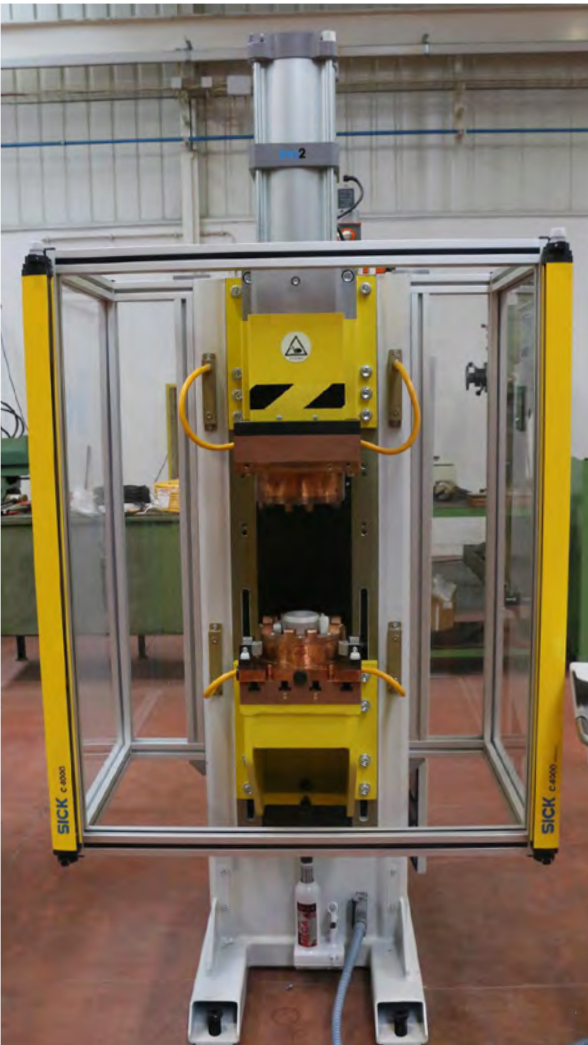
- Wind Towers Manufacturing;
- Welding of metal tubes;
- Positioning of large pieces.

01.

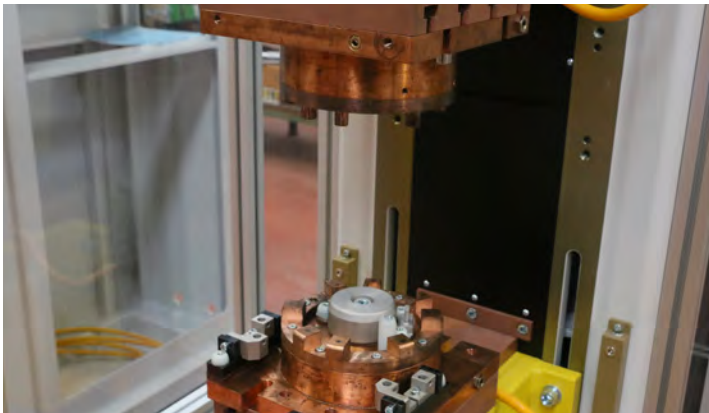
RESISTANCE WELDING

Motofil also has a range of **resistance welding solutions for small parts**. Depending on the customer’s needs, these can be used manually or integrated into welding cells.

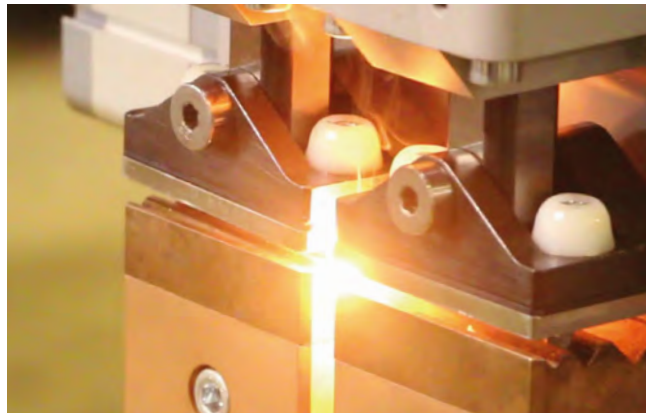
RESISTANCE WELDING



Welding Resistance Press



BUTT WELDING



Butt Welding Machine

SPOT WELDING



Spot Welding Machine

02.

HANDLING

in partnership with:

Anadirobtic

In order to have a wider range of solutions, Motofil develops cells for the handling of large or small parts. In addition to the handling cells, and in partnership with the company ANADIROBTIC, Motofil completes its range of solutions with sanding and polishing cells.

HANDLING CELLS



Palletizing Cell

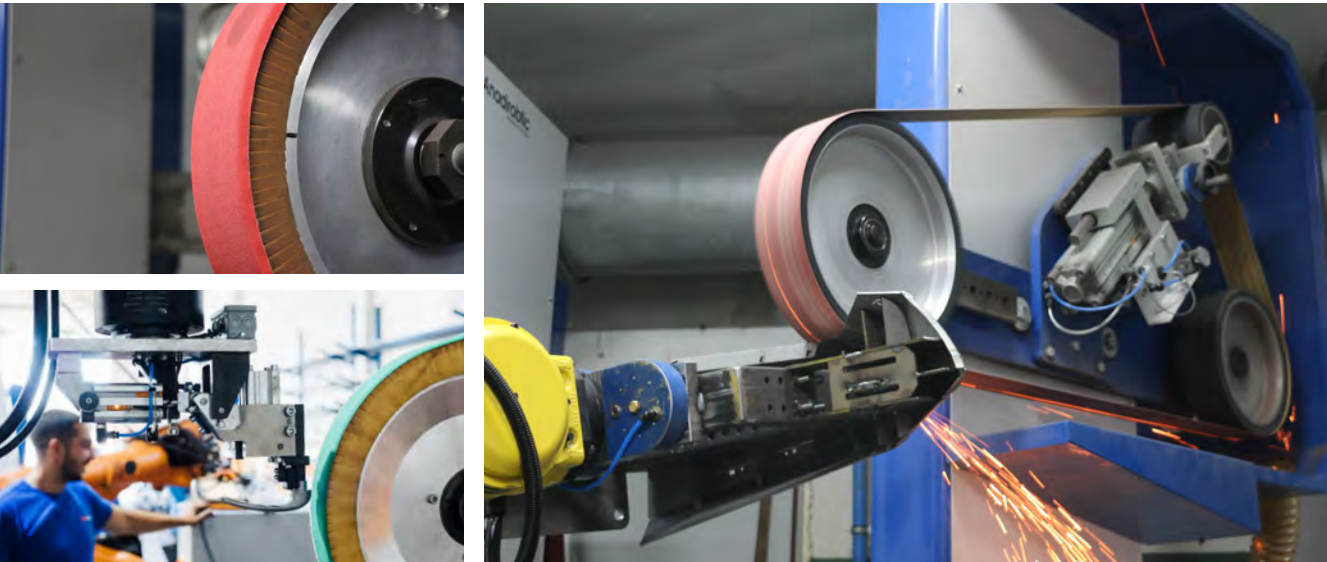


Handling System

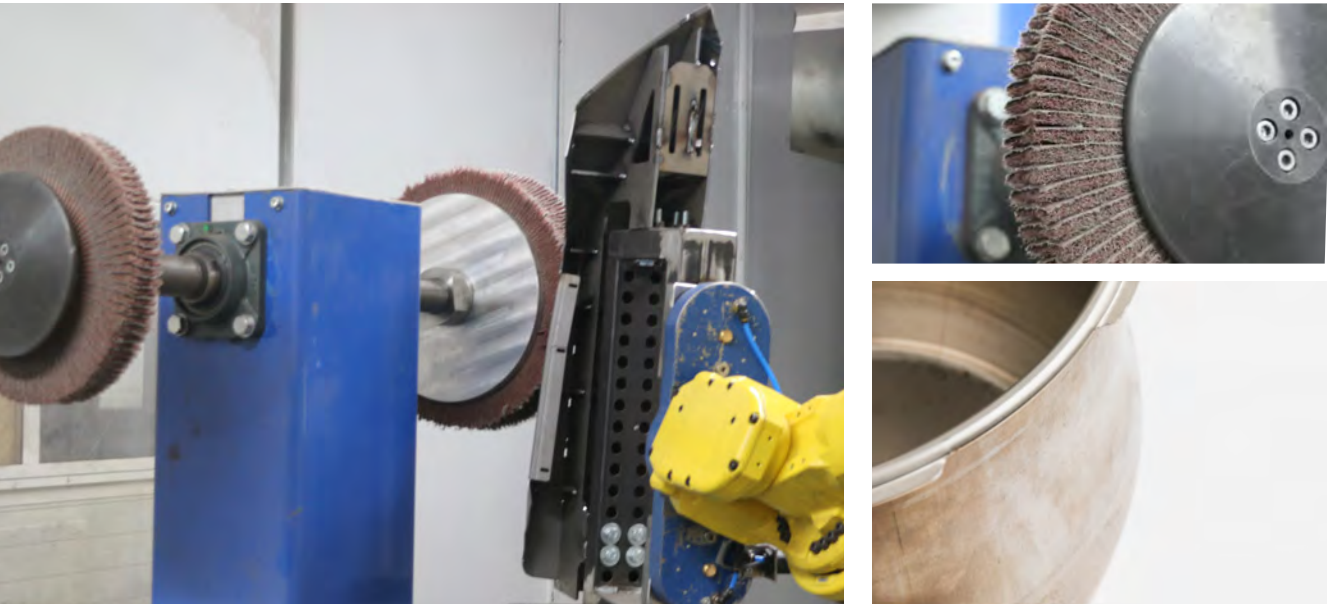


- MAIN APPLICATIONS:
- Handling of small parts (automotive sector);
 - Handling of glass panels (solar energy industry);
 - Solutions for flexible bending;
 - Palletizing (construction industry).

OTHER SOLUTIONS



Sanding Cells



Polishing Cells

03. CUTTING

In 2010, Motofil started manufacturing **thermal cutting equipment** for the cutting of metal parts. The solutions can be used with flat metal plates or tubular profiles, using cutting technologies like plasma, oxyfuel, fiber laser and cutting combined with machining.

FIBER LASER CUTTING



MFL - Fiber Laser Cutting Machine
(with the option of a automatic loading and unloading system)

PLASMA CUTTING



FELINE - Plasma Cutting Machine
Cuts different types of metal with a maximum thickness of 25mm

OXYFUEL AND/OR PLASMA CUTTING



DRAGOm - Multiprocess System
(Plasma Cutting, Oxyfuel and Mechanical Drilling)

04.

TOOLING

Established in 2012, Motofil Aeronáutica was created to supply the Aeronautical Industry. Motofil Aeronáutica relies on Motofil's productive capacity (machining, welding and assembly) for the execution of its projects, assuming their management and monitoring.

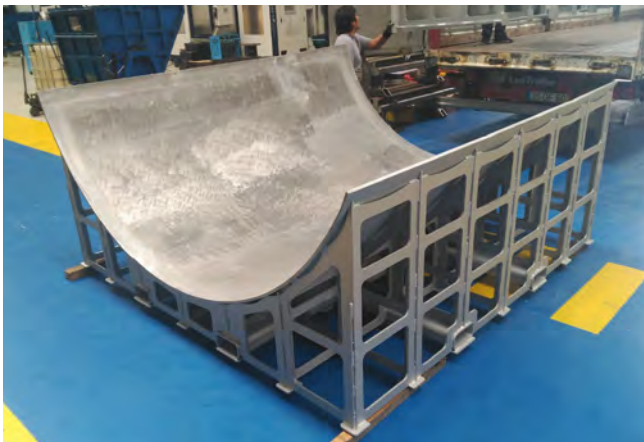
AERONAUTICS PROJECTS



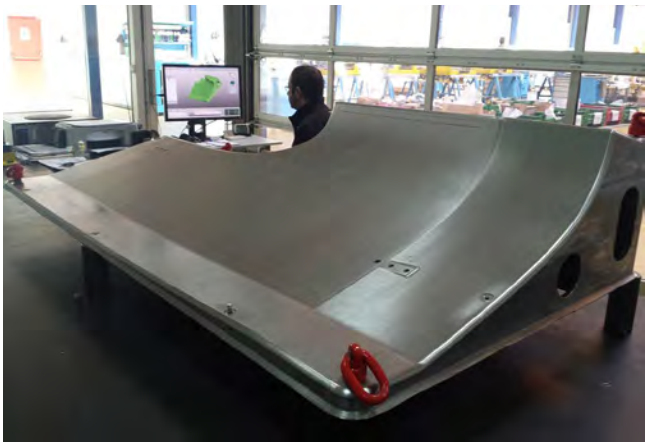
Assembly station with 12 meters



Production of aluminum panels



Molds of parts



Molds of parts



Central Fuselage

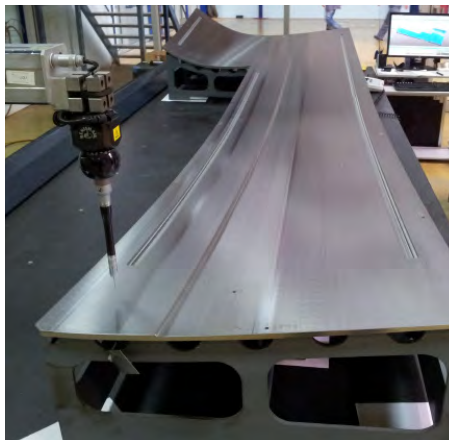


Control stations

TOTAL PRODUCTION CONTROL



Machining



Quality Tests



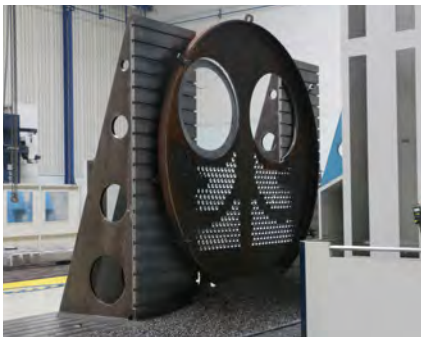
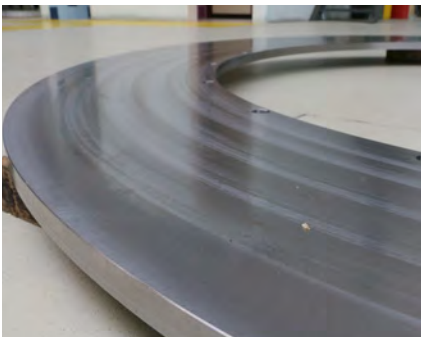
Delivery of the final product

05.

SERVICES

Motofil also provides cutting, welding and machining services. We have a team of specialists and a park of machines that guarantees, in terms of processes, total autonomy in the manufacture of the components used by the different sectors of Motofil and by its customers.

MACHINING OF PARTS



MACHINING

- conventional milling machines;
- CNC machining centres with mobile gantry:
 - with a 12m fixed table;
 - with a 14m fixed table;
 - with a 26m fixed table;
- machining centres with 5 axes/ 3 axes
- CNC lathes
- Conventional lathes.

CUTTING AND BENDING

- guillotines;
- press brakes;
- punchers;
- laser;
- pantograph (oxyfuel and plasma cutting)
- stripping though particle blasting.

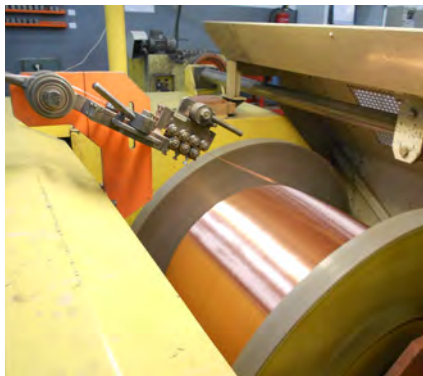
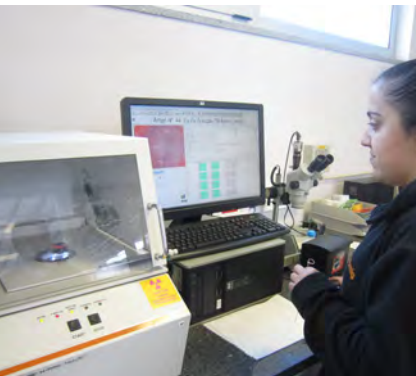
06.

CONSUMABLES



In 2007, Motofil started a new project for the production of solid wire for welding. Nowadays, we are leader in the Southern European market. We are focussed on the development and constant improvement of our products, processes and services. We are customer oriented, favouring flexibility, skilfulness and proximity, while always maintaining the highest levels of quality.

WELDING WIRE



SG2 Copper Coated

Wire Diameter [mm]: 0.80 - 0.90 - 1.00 - 1.20 - 1.60



SG2 Copper Free

Wire Diameter [mm]: 0.80 - 0.90 - 1.00 - 1.20 - 1.60



SG3 Copper Coated

Welding Wire [mm]: 0.80 - 0.90 - 1.00 - 1.20 - 1.60

PACKAGING



Metallic and Plastic Spool

The spools are placed in individual boxes with a total of 72 units per pallet, with 8 levels of boxes, with 1080 Kg.



Big Pack

The Big Packs can have 250, 350 or 500 kg, making a total weight of 1000, 700 and 500 kg, respectively.

BY YOUR SIDE EVERY STEP OF THE WAY



Installation

Motofil will be responsible for the installation and set up of the equipment at the client facilities.



Maintenance

We guarantee the availability of substitution components in order to ensure the perfect functioning of the equipment.



After-sales Service

By getting in touch with Motofil, our specialized technicians will be available to answer any question.



Inspection

It is possible to schedule inspection visits and preventive maintenance to perform exhaustive diagnosis of the conditions and the operation state of Motofil's machines.

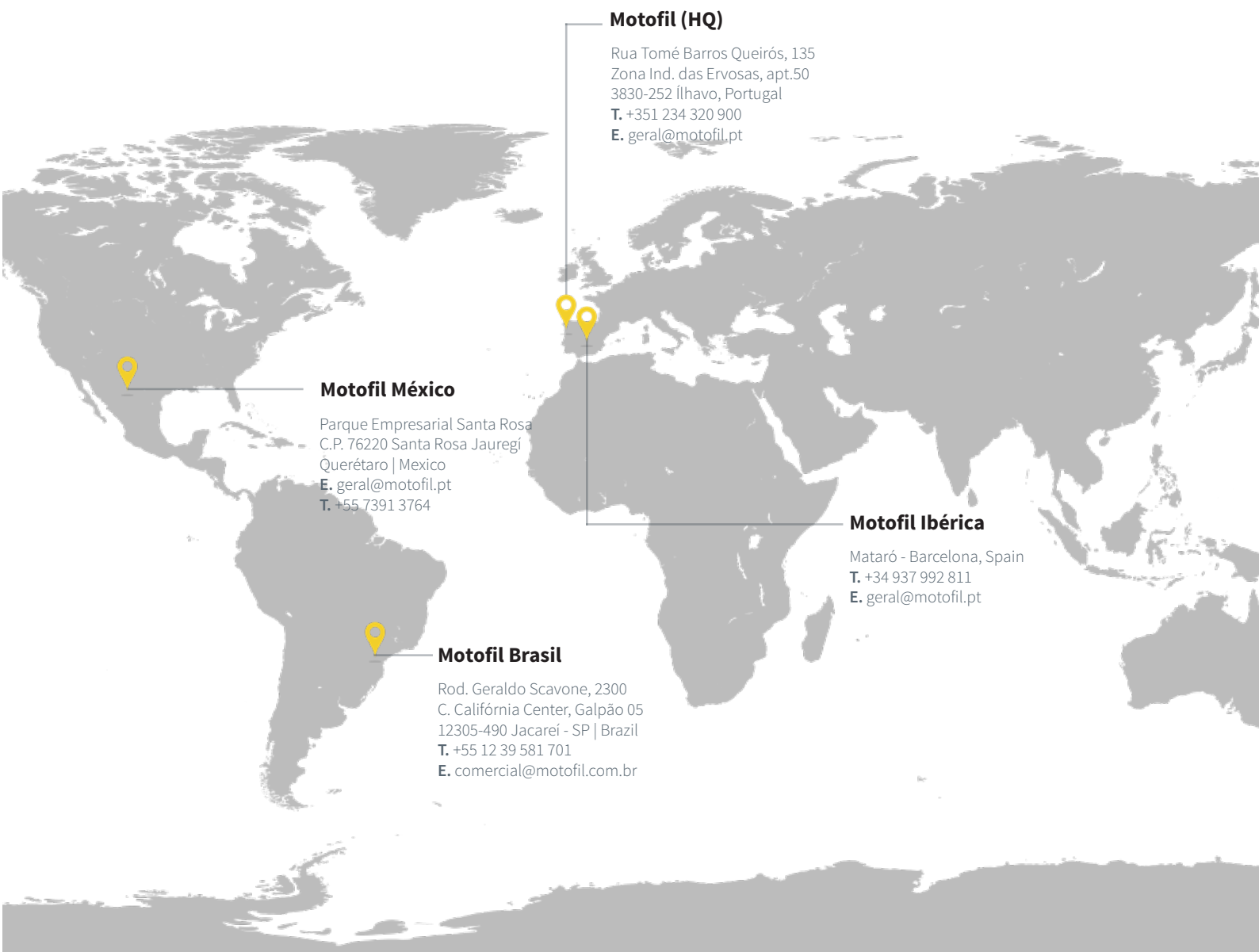


Training

The training program includes a stage destined to the maintenance and basic operation of the equipment, as well as the use and programming of the software. The training is accessible and valid during the operating life of the equipment.

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WE'VE INSTALLED MORE THAN 2 000 SOLUTIONS IN OVER 30 COUNTRIES.



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NO MATTER THE PROBLEM

WE HAVE THE SOLUTION

