

**Ca**  
Composites  
Aragón

**Integral solutions for  
the Aeronautic and  
Automotive sector**

# Trajectory

Composites Aragón was born in late 2009, its objective being the production of composite material components, covering the entire value chain from product conception and design, to the tune-up of the final product on the market.

The merger of its directors, staff and resources, has enabled Composites Aragón to share almost 30 years of experience in mould making, plastics and machining, positioning us as as experienced leaders within these fields.

Thanks to this wide expertise and to our ISO 9001/9100 certification, we are able to focus on special divisions targeted to satisfy the needs of demanding markets such as Aeronautics and Automobile, among others.

# Our Divisions

In a market that is increasingly sharing resources, both locally and globally, we excel at providing custom tailored solutions for the 4.0 industry of the future.

Our original background in CAD / CAM / CAE - applied engineering, combined with our extensive experience in mould design and production processes, our proficiency in multiple technologies in plastics transformation, as well as the synergies created with different composite materials industries have allowed us to structure solid solutions through five business divisions.

Find out more about our business divisions, designed to meet the specific needs of each sector with the constant level of excellence our customers are accustomed to.

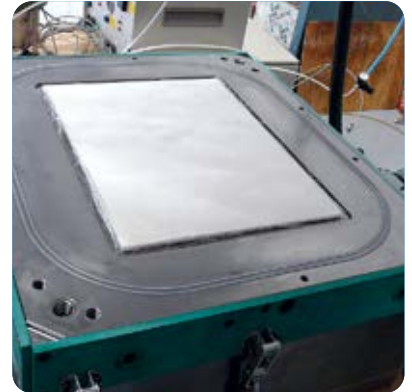


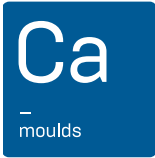
## DIVISION

# Composites

We are experts at making the best composite component possible. We manufacture parts and assembled arrays to order using the best available technology in each case, guaranteeing the quality of the final product. We carefully select materials, choosing them based on each process demands, curing times, and client's needs. Our highly automated processes ensure a profitable final product and rapid return of investment. The traceability of our processes guarantee compliance with the quality standards that each sector and each client demands. These are some of the technologies we are proficient at:

- **RTM**
- **RTM LIGHT**
- **INFUSION**
- **WET MOULDING**
- **PREPEG COMPRESSION MOULDING**



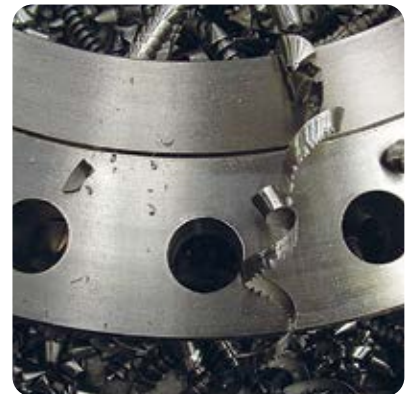
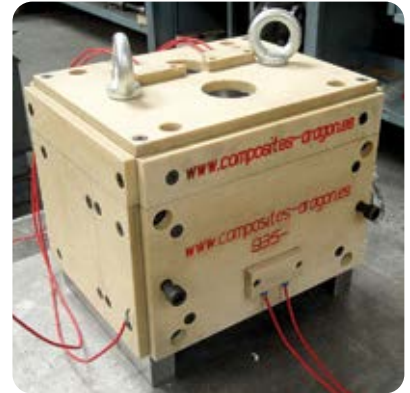


## DIVISION

# Moulds

Not only we design and manufacture molds in resin, aluminum, zamak and steel; we are also involved throughout the whole process, from idea to reality. Our factories in Spain and China provide the experience and resources needed to address major launches, managing projects with more than 50 simultaneous moulds. We validate designs, thoroughly check quality standards and homologate production cycles in our associated testing centers, thus minimizing and optimizing the setup on our client's facilities. Our designs and moulds allow to manufacture parts, produced with the following technologies we skillfully manage:

- **CONVENTIONAL**
- **GAS ASSISTED**
- **MUCELL**
- **BIMATTER 2K**
- **RIM**
- **INJECTION OVER WOVEN FABRICS**
- **BLOW MOULDING**
- **SMC**
- **RTM**
- **THERMOFORMING**
- **LGF**
- **CONTROL TOOLS (by EIKIDE)**



# Ca

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machining

## DIVISION

# Machining

Thanks to a constant investment and the drive to be at the forefront of new technologies, we feature a modern technological park with high speed, continuous 5-axis machining centers with bench lengths of up to 8 meters; all of them programmed with optimized paths designed by our CAM technicians.

An efficient scrap-management layout, detailed work instructions, tridimensional verification and meticulous control guidelines ensure the dimensional quality of our machining. We mechanize alloys such as steel, aluminum, Zamak/kirksite, plastics and composites.

- ALUMINUM AEROSTRUCTURES
- TOOLS FOR MILLING, DRILLING & EDGING
- EDGING OF COMPOSITE PARTS
- UNIQUE ALUMINUM PARTS



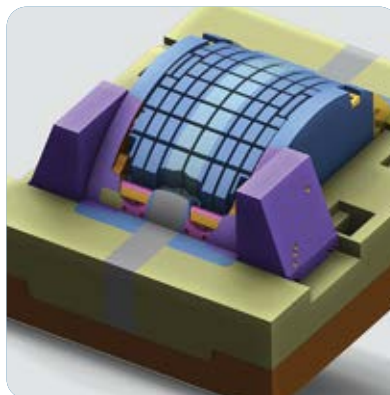
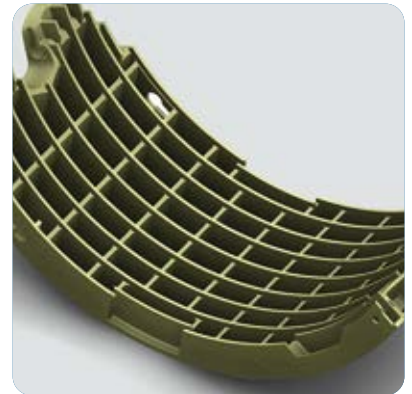


## DIVISION

# Engineering

We provide innovative and high quality, innovative engineering solutions and services. We are committed to our customers, making their idea our goal. We actively participate in all phases of the creative process, design calculations, benchmarking, industrialization, etc. in order to guarantee our customer complete satisfaction.

- **PRODUCT DESIGN**
- **MOULD AND TOOL DESIGN**
- **PROCESS SIMULATION**
- **STRUCTURAL CALCULATIONS**
- **REVERSE ENGINEERING**
- **TRACKING OUTSOURCING**
- **MACHINE VISION**







## DIVISION

# Prototypes

Through different technologies, we can produce the first piece in record time, or make a low-cost pre series to validate design, allow for further testing and check market

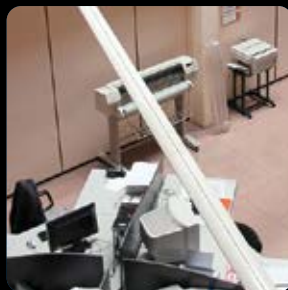
acceptance. Whether your idea is plastic or metal based, we have the necessary know how to turn it into reality.

- **CONCEPT SAMPLES IN COMPOSITES**
- **ALUMINIUM PROTOTYPE MOULD**
- **ZAMAK PROTOTYPE MOULD**
- **ZAMAK SHEET METAL STAMPING MOULD**
- **FOUNDRY**



# Ca

Composites  
Aragón



Parque Tecnológico Cogullada  
Ctra. Cogullada, 20, nave 10  
50014 - Zaragoza (España)  
Tel: +34 976 464 434  
Fax: +34 976 476 255

[info@composites-aragon.es](mailto:info@composites-aragon.es)  
[www.composites-aragon.es](http://www.composites-aragon.es)

