



# PRECISION MACHINING FOR THE AEROSPACE SECTOR



Aerospace

# Your partner for the aerospace

At Goimek, we are specialists in complete machining solutions. We have solid experience in advanced machining processes for strategic parts for demanding sectors such as aerospace, where for more than 30 years we have been applying customised solutions adapted to the needs of each customer.

We have state-of-the-art installations equipped with high-precision and productivity machines, in order to carry out the most advanced machining that is complemented with the latest generation verification means.

Our production plants are located in the Itziar industrial estate and on the Goitondo industrial Estate in Mallabia. Both traditional enclaves in the machine-tool sector, they enjoy an excellent location for facilitating the logistics of the parts as well as visits from international customers, as it is located 45 minutes from Bilbao airport and one hour from Biarritz airport.

More than

**30  
years**

offering solutions  
for the aerospace  
sector






## Part of Danobatgroup

Goimek forms part of Danobatgroup, the machine-tool division of the Mondragon Corporation, one of the largest business groups in Europe.

This gives us a good industrial basis and financial solvency that allows us to continue responding to future challenges from a culture and principles based on people and collaboration.

## Main figures

	 MONDRAGON	 DANOBATGROUP	 GOIMEK
Turnover (M.€)	11.608	267	11
People	81.507	1.300	85

## R & D

At Goimek, we collaborate closely with Ideko, the research and technology centre specialising in advanced manufacturing technologies, with which we work actively both in the transfer of talent and in the use of its cutting edge installations for our projects.

More than 2000 m2 distributed over two buildings orientated towards the validation and testing of machining processes, as well as related technologies:

- DGIH (Digital Grinding Innovation Hub).
- Space for robotics and additive.
- Precision, Inspection and Measurement, High Performance Dynamics, Composite, Laser and Digital laboratories.





Aerospace

# High added value solutions

At Goimek, we have extensive experience and a technical team specialising in the machining of workpieces in materials such as titanium, aluminium, stainless, inconel, invar, etc. for the aerospace industry.

We have participated in major projects such as Perseverance, Gaia, Solar Orbiter, MTG, Exomars and Juice, as a result of which we have acquired the knowledge and the capabilities necessary to respond to the specific machining needs of such a demanding sector, and to offer high added value solutions to our customers.



**#01**

HP Compressor



**#02**

Case (MTG)



**#03**

Optical Bench (Flex)



**#04**

Door (Solar Orbiter)



**#05**  
Housing (Solar Orbiter)



**#06**  
Azimut (Solar Orbiter)



**#07**  
Azimut Bracket



**#08**  
Box Base (Tumag)

# Flexibility and expert advice for the best service

In a sector as technical as this, adaptability must be exceptional, so we can adapt at any time to the requirements of each project. Our structure allows us to respond very quickly to any change required, while securing traceability of the entire processes.

We are flexible to the changes that complex projects require, we know how to adapt ourselves to customer design modifications. We also offer manufacturing advice for unique part projects, multipart projects and complete packages.

Furthermore, based on our experience and specialisation in the sector, we offer technical and professional support in machining engineering with a team of highly experienced engineers who assess, together with the customer, the production machining processes for the part and provide solutions for optimising them.

# #09

**Central Body (MWI)**

# Quality, service and specialised means

At Goimek, we work in a culture based on quality and service, offering all the guarantees that parts in the aerospace sector require.

We are a strategic partner for our customers, who trust us to accompany them throughout the process with the task of guaranteeing the best processes and results for the machining of their parts.

We have EN9100, ISO 9001, ISO 14001 and ISO 45001 certifications, as well as an integrated service, state-of-the-art production means and the latest generation measuring means that allow us to offer highly demanding customised solutions with great precision.

## WE HAVE THE FOLLOWING QUALITY CERTIFICATES:

EN 9100

ISO 14001

ISO 45001

ISO 9001

## Integral service

We offer our customers an integral service, and contribute value to each of the phases of the project.



Technical collaboration in your design phase



Concurrent engineering



Management of material purchasing



Machining to drawing and technical requirements



Thermal and surface treatment



Verification service



Qualification and guarantee

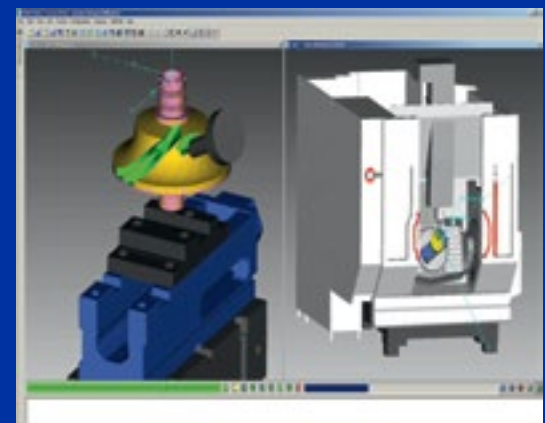


## Measuring and programming means



### CMM ZEISS:

- MMZB (x=2000; y=5000; z:1500)
- Zeiss Accura (x=1200; y=3000; z:1000)
- Zeiss Prismo with 4 axes
- Verification and control equipment



- CAD / CAM
- Turbomachinery for impeller programming
- TDM (tool database)
- Vericut (simulation)
- Active maintenance and calibration of our resources

# Production means that meet the demands of the sector

We have the latest generation production means to offer our customers the quality and precision machining of complex geometries and demanding materials for the aerospace sector.

Thanks the diversity of our production means, we cover a very wide range as regards parts size, from machines for cubed workpieces to machines that machine workpieces up to 16 m in length.

Some of our most representative machines for the machining of aerospace parts:



## 5 axis machining centers

### HERMLE C40U 5 AXIS MACHINING CENTER

X: 850 mm    Y: 700 mm    Z: 500 mm

5 axis NC Swivelling rotary table

Clamping surface: Ø 420 mm

Control: Heidenhain iTNC 530

Tool changing: Pick Up 38 units.

Loading capacity: 600 kg

### HERMLE C42U 5 AXIS MACHINING CENTER

X: 800 mm    Y: 800 mm    Z: 550 mm

5 axis NC Swivelling rotary table

Clamping surface: Ø 420 mm

Control: Heidenhain iTNC 530

Tool changing: Pick Up 80 units.

Loading capacity: 600 kg



## Large milling machines

### SORALUCE FS 16000 MILLING MACHINE

Traverse: X: 16.000 mm    Y: 3.600 mm    Z: 1.500 mm

Rotary table: 3.000 x 2.5000 mm

Machining in 5 continuous axes



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**DANOBATGROUP**

