

High precision machining and welding of metallic parts and assemblies

GPS coordinates (latitude, longitude) N41° 38' 42", W0° 55' 56"

GPS coordinates (decimal degrees) +41.645, -0.9







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ENERGY AERONAUTICS AEROSPACE RAILWAY MECHANICAL TRANSMISSIONS



- Over 80 years experience
- Qualified and expert team
- Flexibility
- High Quality Standards
- State-of-the-art Machinery
- In-house design of processes and toolings



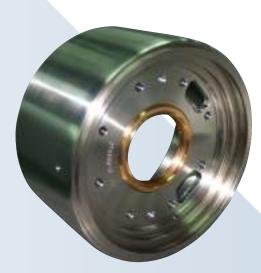
Over 80 years of expertise

Started in 1934, CMASA has provided machining and welding solutions for the most demanding industrial sectors, manufacturing over 5000 diverse references in a broad variety of materials: aluminium, stainless steel, nickel-chromium based alloys...

CMASA relies on a highly experienced and trained team, in cooperation with an important network of approved suppliers.

Some examples of components manufactured in CMASA:





Turbo Compressor labyrinth Ø220 x 120 mm.



Axle Block Ø1000 x 1280 mm. Naval Industry. 3000 kg.



Turbine Disc Ø1200 mm.

Aeronautics.



Turbo Compressor Axle

Ø65 x 350 mm.

Planet Carrier. Wind Power.

2870 kg.

Rocket Engine Liner. Aerospace.



Cylinder Head. Diesel Locomotive.



Turbo Compressor Axial Diffuser 200 x 75 mm.



Gearbox Housing. Wind Power. 2650 kg.



Bearing Housing. Railway Ø310 x 200 mm.

State-of-the-art Technology

Means of Production:

- 1 boring machine up to 3000 x 2500 x 2200 mm, 4 axes
- 9 machining centres up to 2000 x 1500 x 1200 mm, 4 axes
- 3 vertical lathes up to Ø2700 x 1800 mm
- 4 horizontal lathes up to Ø1050 x 4000 mm
- 5 Axis milling and turning up to Ø640 x 1300 mm
- MAG & TIG Welding. 15085-2 **CL1** Certification

Quality Control:

- 2 MMC machines up to
- machine: 0.4 micron
- MT, PT & UT
- X600 Z600

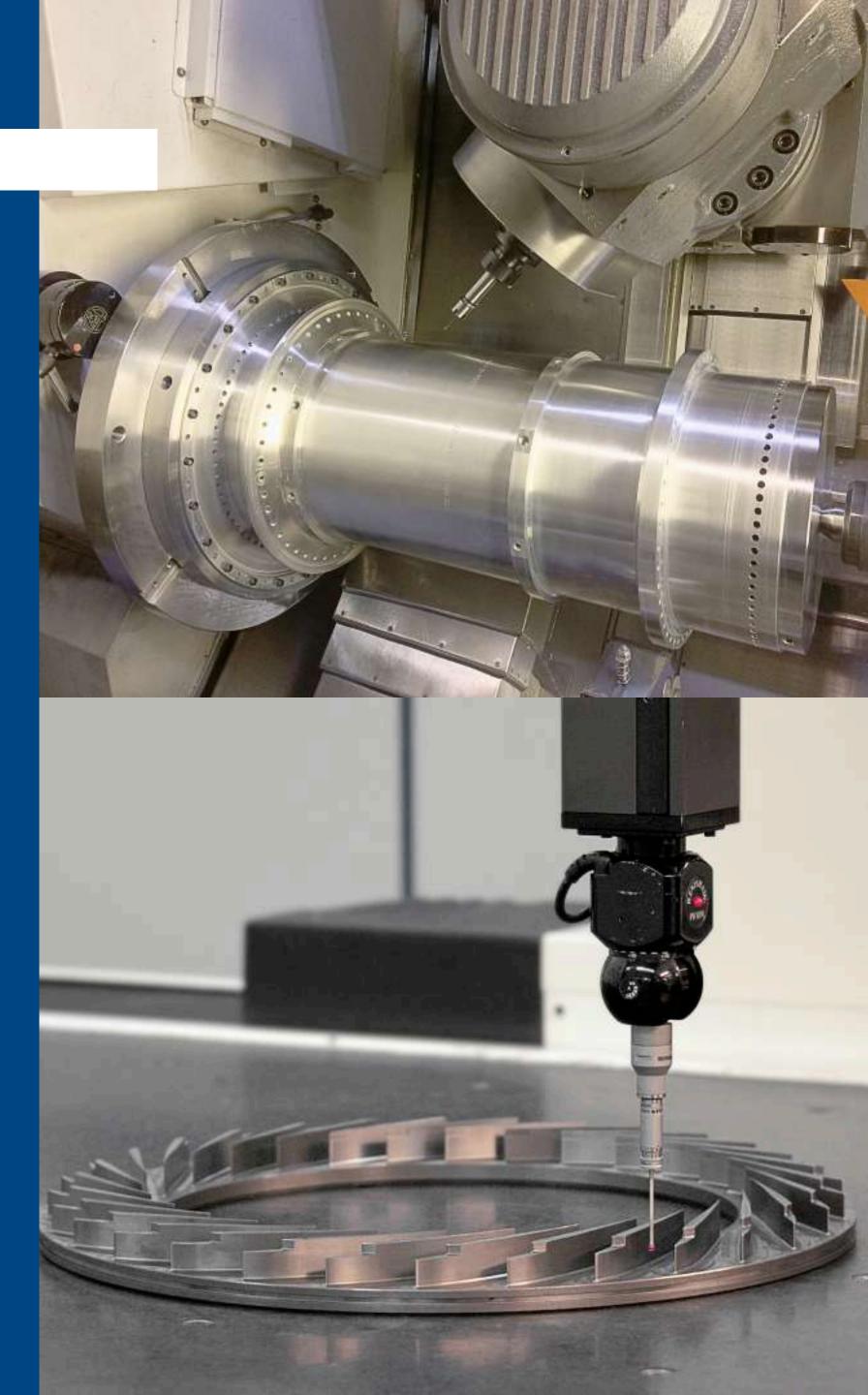


4000 x 2000 x 1500 mm

• 1 high precision calibration

• Level II non destructive testing

High Precision Tool Presetter



High Quality Standards

Our Management System is certified according to ISO 9001:2015 and EN 9100:2018, leading us to a continuous improvement of the efficiency and effectiveness of our processes.

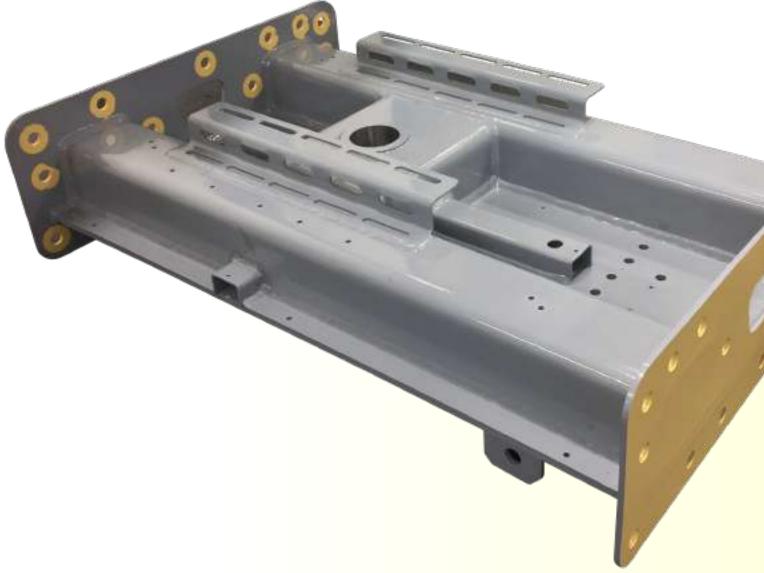
Welding procedures certified according to railway's highest standard EN 15085-2 CL1











Damper Support. High-Speed Railway



High precision milling and turning of big dimension components, up to X3000 Y2500 Z2200 mm and Ø2700 Z1800 mm

start ??

THE REAL

PAMA



TMD-23

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CONSTRUCCIONES MECÁNICAS ARAGONESAS, S.A.





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