



ADVANCED MANUFACTURING



METROLOGY FOR LARGE COMPONENTS

High precision control equipment
for flawless manufacturing



Une société du Groupe REEL

ENIM
Systèmes Industriels

We guarantee the quality of the large components we manufacture

CNIM Systèmes Industriels is a French equipment manufacturer and industrial contractor specialising in the design, industrialisation and manufacturing of large, high-accuracy parts.

Rolling out innovative processes, quality management and vertically integrated projects is second nature to us.

Demanding manufacturing tolerances: a few microns on several metres' components.

Thanks to our **highly qualified team (up to COFFMET level 3)** and the **ideal fit between our manufacturing and inspection means**, we are able to guarantee that all parts leaving our workshops in La Seyne-sur-Mer comply with specified performance requirements.

We also offer metrology services to ensure your large-size parts reach the required performance.

Metrology suitable for industries with stringent quality requirements

Advanced Industry | Semiconductor Manufacturers
Nuclear Power | Big Science | Space



HIGH PERFORMANCE
EQUIPMENT

/ ZEISS MMZ-G machine

X 4 000 | Y 8 000 | Z 2 000
E = 3,6 µm + 2,7 µm per meter
100mm/s (max scan)
ZEISS VAST Gold scanning sensor
Orientable carbon fiber measuring styli up to 1.2m long
Load capacity 20 tons
CALYPSO Software

Our measurements accuracy complies with ISO 10360-2-5 E0/E150.

/ Mobile equipment

4 Laser trackers
1 multi-axis articulated measuring arm

/ DEA Delta HA machine

X 5 080 | Y 3 500 | Z 2 000
E = 6 µm + 7 µm per meter
METROLOG software

/ Dye-penetrant inspection

/ Non-destructive testing equipment



We guarantee...

- / **Effective upstream planning** to optimise component inspection times
- / Inspections and measurements to ensure **product compliance**
- / Comprehensive inspection **reports**

