

CNIM Systèmes Industriels (CSI) designs and manufactures large and high precision systems and equipment in La Seyne-sur-Mer (South of France).

For several years now, CSI has been manufacturing, testing and integrating large mechanicals systems for demanding applications in the semiconductor industry.

- **▲ BE** A LONG-TERM PARTNER
- **EMBODY** INNOVATION AND PIONEERING SPIRIT
- ▲ HIRE ENTHUSIASTIC WOMEN AND MEN
- **▲ INTEGRATE** ALL STAGES OF A PROJECT
- **✓ USE** STATE-OF-THE-ART INDUSTRIAL EQUIPMENT



**EMPLOYEES** 

**CNIM** Systèmes Industriels

SERVING THE INDUSTRY €74 million since 1856

400

TURN OVER

45,000 sqm WORKSHOPS

ENIM Systèmes Industriels

# Advanced **industrial** facilities

#### LARGE SIZE **MANUFACTURING**

Our workshops are equipped with stateof-the-art machinery operated by qualified staff allowing us to work on large and complex parts.

Vertical lathe, double gantry milling machine, very high-speed machines, our equipment meets the needs of high demanding industries



High-speed machining centers

For more than 30 years, our teams have been implementing a specific electron beam welding process that guarantees minimal and controlled deformation of the part This process produces very high-quality, accurate and deep welds, guaranteeing a thermally limited affected zone.





### **ELECTRON-**BEAM WELDING

Multi-material / High thickness / Local vacuum

#### Welding facilities:

Volume: 230m3 Dimension: L7.400 X W5.500 X H5.050mm Payload: 30 tonnes



# Advanced industrial tool

#### 3D CONTROL

In order to guarantee the best quality to our customers, our metrology means are also adapted to large dimension.

Our highly qualified teams (COFFMET 3) ensure very demanding quality controls and achieve unique levels of precision thanks to the latest generation of three-dimensional measuring machines.



CSI has both **static** (DELTA DEA, ZEISS MMZ-G) in a temperature-controlled environment and mobile (laser tracker, poly-articulated arms) inspection equipment for very large parts.

Our measurement accuracy complies with ISO 10360-2-5 EO/E150.



Highly skilled staff (COFFMET 3)

#### **CLEAN ROOM ASSEMBLY** AND INTEGRATION

Parts manufactured by CSI require strict level of cleanliness.

Clean room assembly (ISO 7 à 5), cleaning of large parts, series integration, qualification and testing... our teams master all of these skills. Our clean and grey rooms have a total surface of 2,800 sgm.



#### Mastering the particle cleaning process

/ Cleaning via automated system / Vacuum drying

/ Mass spectrometer cleanliness

/ Black light inspection







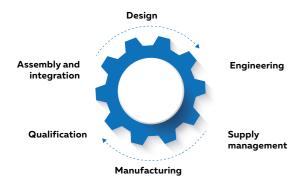
# Vertical **integration** of projects

#### **PROVIDING SUPPORT** TO OUR CLIENTS' SPECIFIC NEEDS

CNIM Systèmes Industriels designs, industrializes and implements complex projects.

Our engineering department works upstream with clients in order to manage expectations and offer practical solutions to demanding sectors issues. For some projects, we work in simultaneous engineering to ensure the manufacturability of products and the mastering of their key characteristics.

Meeting our clients' technological challenges, from design to production of high value-added parts, is part of our DNA.



#### ▲ A to Z project management

Thanks to a unique combination of knowhow within our teams, we manage the projects we work on in a comprehensive

#### **CNIM Systèmes Industriels**

A unique production site with direct access to the sea and a single contact person for greater efficiency



Process planning department



tual reality room: immersive visualization, cutaway drawings, easy 1:1 scale projection to optimize design / industrialization phases.

## References







/ Design

/ Tests

clients' site









#### Machine frames for the semiconductor industry (ASML)

/ Co-design

/ Industrialization

/ Manufacturing / 3D control

/ Assembly and cleaning

HIGH LEVELS OF ACCURACY AND CLEANLINESS REQUIRED FOR VACUUM OPERATION OF LASERS







