



ASSEMBLY INTEGRATION TEST

In clean environment
for large-size parts



A REEL Group company

ASSEMBLY INTEGRATION & TEST in ISO 5 to 7 clean room for large-size parts for cutting edge-industries

CNIM Systèmes Industriels, can perform the cleaning, assembly & integration as well as test & qualification in clean room for large parts. We have a recognized experience in nuclear, defense, semiconductors, space and big science fields. Our teams are able to manage vertical integration of your projects in our workshop at La Seyne-sur-Mer.



Test RGA - Residual Gas Analysis Test

Our 1,000 sqm of ISO 6 cleanroom allow our qualified operators to perform RGA tests to ensure molecular cleanliness. These tests aim at identifying residual contaminants and to define their quantity, their composition in order to meet our customer cleanliness requirements for their parts. Our facility also encompasses a 50 sqm cleanroom to perform particular cleanliness tests.



Key figures of our two clean rooms :

ISO 5 to 7 clean room	ISO 6 clean room
20 à 30 tons	1,5 tons
2300 sqm	220 sqm
Wet cleaning and drying automated system	Wet cleaning and drying automated system
600 x 2600 x 1400 mm	3000 x 1600 x 2100 mm
Ultrasonic cleaning bath	

A few references



Frequency & focalization conversion system (SCF) or MegaJoule laser facility
/ CEA DAM
/ 48 parts delivered
/ Parts dimensions : until 3 x 2,5 x 1,2m
/ Cleanliness level : ISO 6 to 7



Large frame structures for photolithography tool (semiconductors)
/ ASML
/ 50 structures delivered by the end of 2023
/ Parts dimensions : until 6 x 2,6 x 14m
/ Cleanliness level : ISO 5 à 6

- › 30 cleanliness-trained operators work in our cleanrooms
- › More than 10 years of clean room assembly, integration & testing experience



Photo credits: CNIM Systèmes Industriels. January 2024 edition

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