

FORGED PARTS FOR SMR

Qualification, Industrialization and Manufacturing solutions

Outstanding forging and machining capabilities to serve our customers

Challenge

- Qualify and industrialize the manufacturing of Small Modular Reactor components.
- Ensure serial production of forgings

Our Solution

Located in Burgundy, Framatome Le Creusot plant has industrial capabilities, competencies and experience for the manufacturing of large forged components. Thanks to dozens of years of experience in nuclear industry, the plant is ISO certified and supports international regulations.

Moreover, Framatome has been involved in the qualification of different nuclear parts and corresponding process engineering.

Framatome Le Creusot plant proposes an integrated solution for the manufacturing of forgings:

- An R&D and digital simulation service to simulate the forging process and the heat treatments to secure customers needs.
- Dedicated high competency teams manage the full manufacturing of forged parts - ingot procurement, forging, heat treatment, characterization, final inspection, delivery.

In addition, Framatome le Creusot has :

- Significant capabilities and know-how in machining in order to reach the final shape of parts. Several types of machining processes are available: Milling / Boring / Turning / Drilling machines / Sawing

Customer benefits

- Safety and Quality Conformity
- Internationally trusted supplier with proven experience in nuclear industry
- Competitive sourcing matching SMR market expectations
- Capability to forge exceptionally large components in size and weight
- Flexible and large industrial capacity of equipment
- Integrated solution from raw material to controlled finished part, inspection and worldwide shipment

Your performance
is our everyday **commitment**



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Technical information

Industrial capabilities

- **11 300 metric tons press**

Space between columns : 6,1 m

- **9 000 metric tons press**

Space between columns : 4,5 m

Manipulator - moment of lifting 600 t/m

Machining Capabilities

X : 17 000 mm

Y : 6 200 mm

Z : 5 100 mm

Max diameter Ø of machining : 10 m

Max weight of part : 200 t

Key figures

Opening : **3x8** and **24/7**

11 300 metric tons : maximum power press

More than **3500** delivered forgings

5 Machining Experts to support activities

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