

## High precision machining

Turning, milling, millturning, drilling, tapping, grinding, lapping, polishing

High precision machining equipment with air-conditioned workshop

### Challenge

Manufacturing of complex machined parts with high accuracy of dimensional tolerances and surface roughness control.

Typical materials: carbon and stainless steel, nickel base alloys, hastelloy alloys, inconel, stellite, graphite, tungsten carbide, silicon nitride.

### Solution

Located in northernmost region of France, Framatome Jeumont plant has industrial capacities and experience for manufacturing to delivered a complete service related to high precision machining.

The plant has ISO and ASME certified QA Systems to support international projects and masters ESPN, RCC, ASME, YVL, etc.

Solutions applicable to a wide range of industries (Oil & Gas, Energy, Aerospace, Chemical, Pharmaceutical, Transportation, Special Tooling, Ship Industry and Navy, Defense)

Several types of machining processes available:

**Milling** (numerical equipment with universal milling heads)

- 3 milling centers (1 cubic meter of machinable volume)
- 1 milling and boring machine for parts up to 10 t (2 cubic meters of machinable volume)

**Turning** (numerical equipment)

- 3 vertical lathes up to 10 t, 5 horizontal lathes up to 4 t

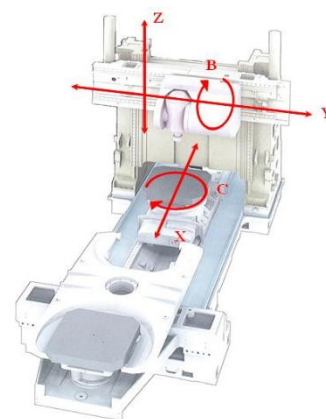
**Millturning** (highest productivity)

- 4 horizontal 9-axis equipment with continuous 5-axis milling heads
- 2 vertical 5-axis equipment with continuous 5-axis milling heads

**Conventional equipment**

- 1 milling, 6 horizontal lathes, 3 surface grinders, 1 cylindrical grinder, 1 cylindrical lapping equipment, 3 surface lapping equipment, 5 deburring and finishing areas, balancing equipment.

In addition, Framatome Jeumont has 3D Measuring capabilities for high precision dimensional inspections.



© Framatome ( Five axis milling equipment)

### Technical information

#### Milling and Boring

X = 2 000 mm  
Y = 2 000 mm  
Z = 3 500 mm

#### Millturning

	Horizontal	Vertical
Max diameter of machining:	600 mm	2 000 mm
Max weight of part:	1,5 tons	4 tons

#### Turning

	Horizontal	Vertical
Max diameter of machining:	800 mm	1 600 mm
Max weight of part:	2 tons	20 tons

#### Milling

X = 800 to 2 490 mm  
Y = 700 to 2 100 mm  
Z = 600 to 12 500 mm

### Customer benefits

- Safety and Quality Conformity
- Internationally trusted supplier with proven experience
- Capability to machine and handle exceptionally high added value components with best-in-class requirements
- Flexible and large industrial capacity of machining equipment
- Complete process of machining from raw material to finished part, inspection and worldwide shipment

**Your performance is our everyday commitment**

### Key figures

**Machining Experts to support activities**

**3** Shifts a day of machining activities

**50 000** hours of annual capacity

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