

- Orbital systems
- Launchers
- Satellites
- Ground segments
- Balloons
- Transversal competencies



Located between Nantes and Saint Nazaire, at the heart of Pays de la Loire space and aeronautical industries. AFC-STAB is an expert in manufacturing tools for forming or molding and the production of complex composite parts and sets.

With years of experience, AFC-STAB carries out all your project and brings you new solutions with all its innovative products

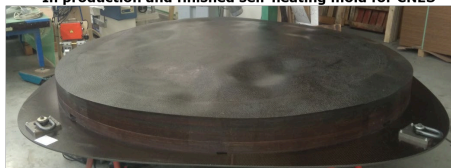
«Customer satisfaction and proactivity are our key features»

COMPETENCIES & CAPABILITIES

- Molds conception and design from CAO part
- Production of 2m in diameter molds with a RMS less than 50 microns for composite part.
- Production of heating molds for the curing of thick composites parts.
- Machining of several materials (composite, aluminum, epoxy board, ...)
- 3 manufacturing devices with 5 axes machining up to 6m in length, 4m wind, Z: 2000mm
- Production of composite parts up to 180°C



In production and finished self-heating mold for CNES



AFC-STAB

PRODUCTS & SERVICES

AFC-STAB offer a wide range of services:

- Expertise: Our Engineering and Technical Department advises you, studies the feasibility of your project and proposes suggests technical solutions.
- Project management:
 - We assist you from the prototype to the final product and we adapt to your request.
 - Our experience allows us to respond to your request by being driving force in your project.
- Implementation:
 - Respect of your specifications and controlled lead time

And numerous innovative products with our STAB patented material:

- Aéro-STAB: Low density, low CTE and high temperature resistance for forming tools and prototyping
- Usi-STAB: Aero-STAB with carbon coating for series production
- Auto-STAB: Self-heating mold up to 200°C

MAJOR SPACE PROJECTS & REFERENCES

- Patent filed in collaboration with CNES for our Auto-STAB product
- Manufacturing of a several satellite dish molds for Thales Alenia Space including:
 - 4m in diameter self-heating molds for backing parts
 - 2.2m in diameter self-heating molds with a RMS of 42 microns for satellite dish
 - Several non-heating molds ranging from 0.7m to 2m in diameter
- Manufacturing of land-based reflector mold for Ineo

POINT OF CONTACT

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TURNOVER 0.7 M€

WORK FORCE 6 employees

SPACE TURNOVER 0.2 M€

SPACE WORK FORCE 6 employees