

PROCESSES

Sheet metal working

NC mechanical routing,
laser cutting
Heat treatment
Stamping
Forming - Bending
Welding :
GTAW, Vacuum, spot, seam
Braze welding
Special piping

Machining

Large size milling & turning
Precision machining :
High speed machining, turning
with C and Y axes
CNC Turning 8 axes
CNC Milling 5 axes

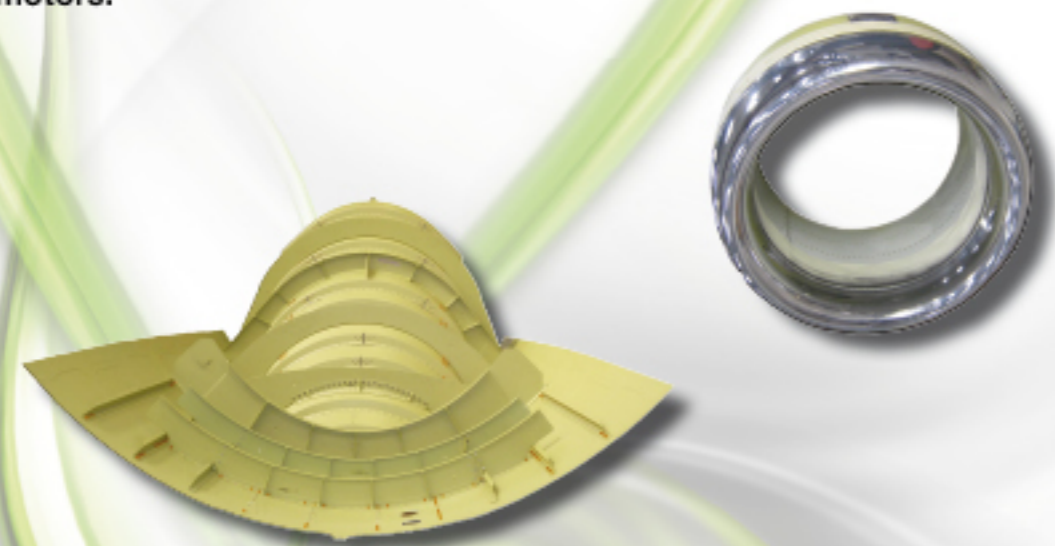
Assembly

Sticking, primary sticking
Crimping
Riveting
Hydraulic assembly
Fitting (bushes, bearing, swivel...)
Metal bonding
Laying of:
sealants, adhesives, mastics
Fasteners



MANUFACTURE, ASSEMBLY, INTEGRATION OF AEROSTRUCTURE'S FABRICATED COMPONENTS

Our workshops of Clermont-Ferrand, Auvergne Aéronautique Slicom, and of Casablanca, Casablanca Aéronautique, have acquired qualifications which are required by the major clients concerning the manufacture of elementary fabricated metallic parts, specific piping and other heterogeneous assemblies for aero structures and aero motors.



Each site has important means in capacity and technology. They also get automated surface treatment and painting lines which respond to the highest environmental standards.

ACHIEVEMENT OF PARTS AND MECHANICAL ASSEMBLIES

Precision machining and assembly of mechanic parts are core business of our Auxerre factory, Slicom Aéro. For more than 40 years, we provide aero structural and aircraft engine components to all the majors in the aircraft industry and aerospace field.



Using our mechanical know-how, our experience and knowledge with materials, in-house surface treatment processes and supply chain management allow us to achieve parts and subassemblies «ready-to-fly».

LARGE SIZE MACHINING

Our mechanical workshops have hoisting equipments, machining means and aeronautic qualifications for roughing and finishing machining of large size light alloys and hard metal parts.



SPECIAL PROCESSES

Surface treatments In each of our factories

Chromic anodizing
Sulfuric anodizing
Alodine 1200 chromating
Nitric passivation
Tartric sulfuric anodizing
Cadmium plating
Phosphating
Nickel plating
Surtec - OAD

Painting - Marking

NDT
Penetrant
Magnetic particle
X Ray

Other inspections

Conductivity
Hardness
Corrosion tests
Layer measurement

Other special processes

Shoot penning
Sand blasting
Stripping
Backing

MATERIALS

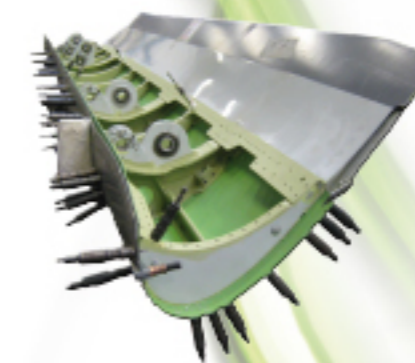
Aluminium
Steels
Titanium
Stainless steels
Specific materials
(Inconels® AXON®)



REPAIR

In our workshops located in the maintenance area of Clermont-Ferrand airport, we support the expertise, the rehabilitation or the modification of metallic and composite subassemblies of civil and military aircrafts of all types :

Doors
Hatches
Equipments
Engine-APU
Flight controls
Fuselage
Pylons
Wings
Tail boom
Tanks
etc...



We are also able to second staff to client's sites.



TOOLS DESIGN & MANUFACTURING

Our teams will suggest you reliable and innovative technical solutions to optimise your production costs :

Test benches,
Production and assembly tooling
Handling tooling
Mechanized welded frameworks

