

# Aerospace Components

Avion manufactures a wide variety of precision-machined components and sub-assemblies for the aerospace industry. We deliver high quality components, on-time, with full documentation to the aircraft assembly line thereby minimizing risks to our customers.

We use the latest in CAD/CAM technology with full 3-D programming capabilities. Our IT systems can support all the latest CAD design formats used in the aerospace industry today. Our manufacturing process is fully integrated to support Model Based Definition of products from process design, to manufacturing and final certification.

## WE MANUFACTURE PARTS AND ASSEMBLIES FOR:

- Landing gear systems
- Cockpit instrumentation
- Hydraulics systems
- Actuation control systems
- Fuel-line systems
- Transmission systems
- Satellite systems

## WE MANUFACTURE THE FOLLOWING TYPES OF COMPONENTS AND ASSEMBLIES:

- Mechanical assemblies
  - Bearing and bushing installations
  - Joining elements/linkages
  - Proof load tests
  - Torque Arms
- NLG Steering Cuff/Collar assemblies
- Hydro pressure tested components
- Poppet and Seat assemblies
- Bushings – Plain, flanged, split, etc.
- Gland/trunnion nuts and sleeves

## MATERIALS AND CHEMICAL PROCESSES WE MANAGE THROUGH OUR SUPPLY CHAIN:

- Aluminium
- Aluminum Bronze Alloys
- Beryllium Copper
- Alloy Steels
- Carborizing steels
- Stainless Steel Alloys
- Satellite systems
- Titanium Alloys
- Polymers (PEEK, TORLON, VESPEL, etc.)
- Chemical conversion / Anodize
- Passivation
- NDT (MPI and FPI)
- Destructive testing
- Heat treatment
- Shot Peening/media blast
- Dry film / solid film lubes
- Chrome / Nickel / CAD / HVOF
- Primer and finish coat
- CARC paint

We also offer kitting services to our aerospace customers. To learn more, please click [here](#).

