



NORTHROP GRUMMAN

CAPABILITIES BEING SOUGHT

COMPOSITES & MATERIALS

- Metals Processing House – NADCAP
- Composite Weaving
- Composite Pressure Vessels
- Phenolic Composite Fabrication (carbon, silica, etc.)
- Carbon / aluminium composite structures
- Graphite
- Carbon Filament
- Elastomers
- Energetic Chemicals
- Phenolic Resin
- Composite Case – Filament Wound with Fibre and Resin Solution

POWER SUPPLIES

- Power Hybrids
- Power Supply Design and Manufacture
- Circuit Card Assemblies

PHOTONICS/ OPTICS

- Components
- Assembly Service
- Optical Transceivers

MACHINE STRUCTURES / NEXT HIGHER ASSEMBLY

- Fabrication and integration of assemblies that contain both sheet metal and machined parts with irregular surfaces.
- Precision Machining
- Cabinets/Weldments
- Vacuum Brazing
- Military Grade Welding

PROCESSING

- In-house specialized processes such as Anodize, Chemical Film, Prime, Paint, etc.

THERMAL MANAGEMENT COMPONENTS

- Cold Plates
- Heat Transfer Systems
- Small Form Factor
- Heat Pipes
- Air Coolers/Conditioners

ADVANCED TECHNOLOGIES

ELECTRONIC SERVICES

- Complex Printed Wiring Boards and Circuit Card Assemblies for space, combat avionics and undersea applications.

SURFACE COATINGS & FINISHES

- In-house specialized processes such as Anodize, Chemical Film, Prime, Paint, etc
- 3M Chemical Alternatives

CASTINGS/FORGINGS (up to 10 tons)

- Stainless Steel
- Carbon Steel
- Duplex Stainless Steel
- Alloy Steel
- Alloy Steel (similar to HY-100)
- Titanium
- Aluminum Lithium (blend)
- Aluminum Forging

NOZZLE MANUFACTURING

- Weaver
- Carbonizer
- Convert to Broadgoods
- Layup and Machining

ENERGETICS

- Energetic Chemicals
- Aluminum Powder

