



# 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
- Phenolic composite impregnation
- Carbon Black
- Carbon Filament
- Rubber Compounds
- Energetic Chemicals
- Phenolic Resin

### POWER SUPPLIES

- Power Hybrids
- Power Supply Design and Manufacture

### PHOTONICS

- Components
- Assembly Service

### MACHINE STRUCTURES / NEXT HIGHER ASSEMBLY

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

### ELECTRONICS (SPACE)

- Solar Cells

### PROCESSING

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

### MILITARY THERMAL MANAGEMENT COMPONENTS

- Cold Plates
- Heat Transfer Systems
- Small Form Factor
- Heat Pipes

### HIGH TRL TECHNOLOGY SERVICES / PRODUCTS

### ELECTRONIC SERVICES

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

### ADVANCED MACHINING / FABRICATION

### ARTIFICIAL INTELLIGENCE

### 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)

### TEST SYSTEMS

- Design and manufacture of advanced test systems.
  - Card, Subsystem and Full system
  - Test Set Programming

### ADVANCED TECHNOLOGIES

