

# D&G Machine Products Inc.

A certified ISO 9001:2008 + AS9100C Company + ITAR compliant

Classified as a Small Business

Established 1967



[www.dgmachine.com](http://www.dgmachine.com)



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# D&G by the Sea

Portland Maine



How to reach us: Portland International Jetport  
(PJT)

# D&G Machine Products Inc.



DUNS number: 04-736-3932    Federal ID: 01-0282435    Cage Code: 1WUK2

## NAICS Codes:

332710 / 333518 / 332322 / 336992 / 336600 / 336400

## Market Sector Approvals:

Aerospace / Launch Programs - Aircraft Component Manufacturing - Military Defense Contracts  
Power Generation - Turbine Component Supplier - Semi-conductor - Vacuum Components  
Pulp and Paper Industry - Sheet Metal Supplier to Industrial America



# D&G Products Presentation

V 501 Launch – Nrol-39 Mission  
D&G Precision Component Takes-off



# Introduction

- D&G Machine was incorporated in 1967.  
Classified as a Small Business
- Currently staffed with 120 employees with continued growth in both facilities.
- D&G Westbrook Facility is 95,000 Sq. ft.  
Precision Manufacturing Center
- D&G Gorham Facility is 55,000 Sq. ft.  
Welding Technology Center
- Certified ISO9001:2008 + AS9001C Company + ITAR compliant.

# Market Sectors

- **Aerospace – Launch Programs**
  - Sikorsky / United Launch Alliance / Klune / Bombardier / GKN / Gulfstream
- **Military Defense Contracts**
  - BAE Systems / General Dynamics / Raytheon IDS / Raytheon SAS
- **Power Generation – Turbine Component Supplier**
  - General Electric / Siemens
- **Semi-conductor – Vacuum Components**
  - Axcelis / Varian
- **Pulp and Paper Industry**
  - International Paper / Sappi
- **Sheet Metal Supplier to Industrial America**
  - Military / Defense / Medical / Commercial / Industrial

# Westbrook Facility Capabilities

- CNC 3-4-5 Axis Milling
- CNC Turning Centers
- CMM inspection Equipment (59" x 118" x 39.4" high)
- Project Management – JoBBoss MRP System
- Engineering Services - Solid Works, Katia, Pro-E, Autocad
- Quality Management – CMM: 59" x 118" x 39.4" – accuracy .0005"
- System Integration / Commercial Solutions

# Gorham Facility Capabilities

- CNC Plasma Cutting
- CNC Laser Cutting (3/8" Alum. – 5/8" Steel)
- Plate Shearing and Cutting
- Metal Rolling and Mechanical Forming
- Welders are certified to ASME, AWS, NAVSEA
- Sheet Metal and Fabrication Assemblies

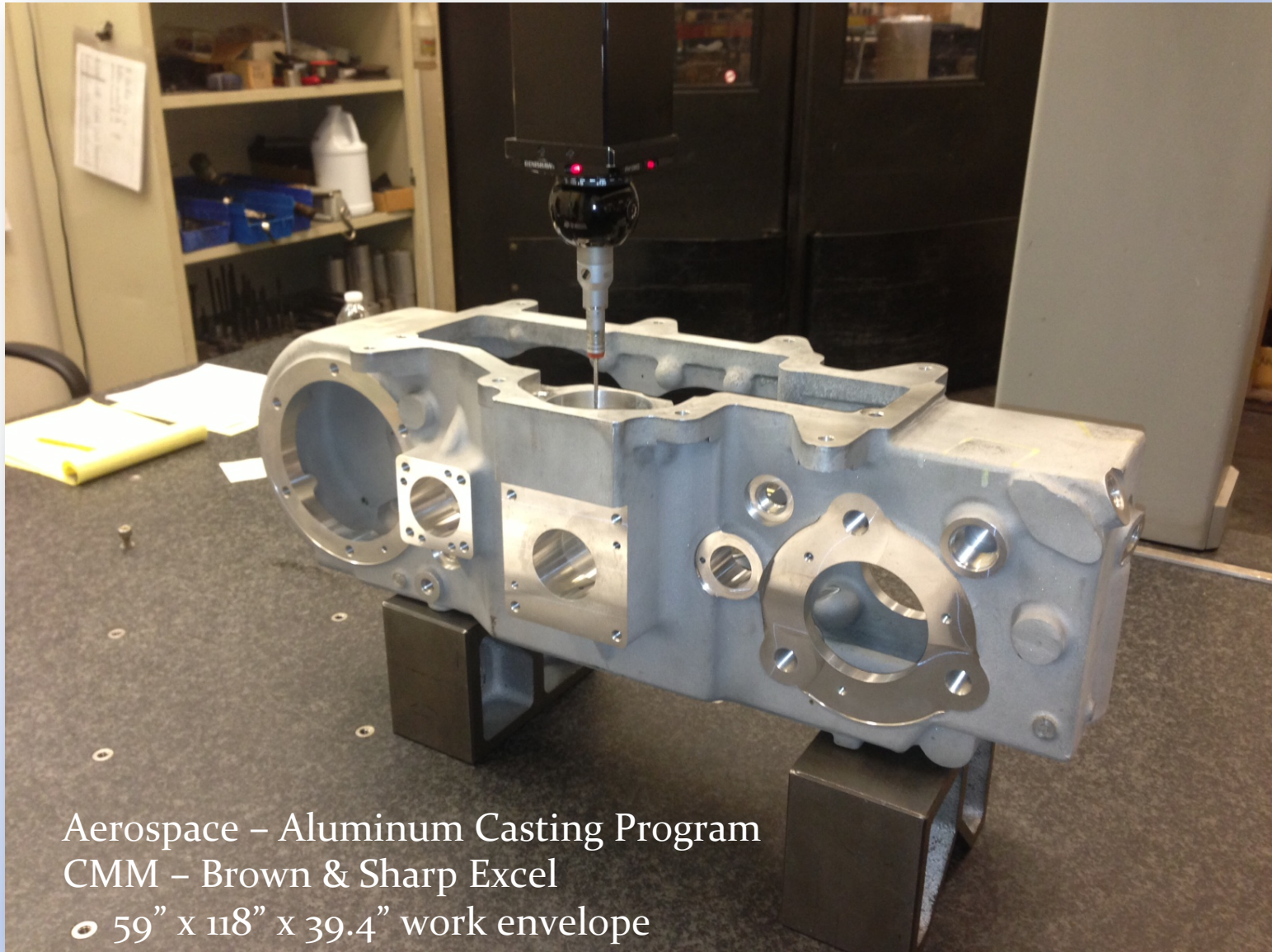


# Material Capabilities

- Specialty Alloys
  - Titanium, Inconel, Magnesium
- Aluminum
  - Plate and Castings
- High Strength Alloys
  - 4100 Series, Chrome Molly
- Stainless Steels
  - 17-4, 15-5, 400 series, 300 series
- Carbon Steel

# Value Added Capabilities

- Wet Paint and Prime
- Sand Blasting / Glass Bead Blasting
- Heat Treat Oven / Stress relief
- NDT and Load testing
- Liquid / Dye Penetrant Testing
- Magnetic Particle Inspection

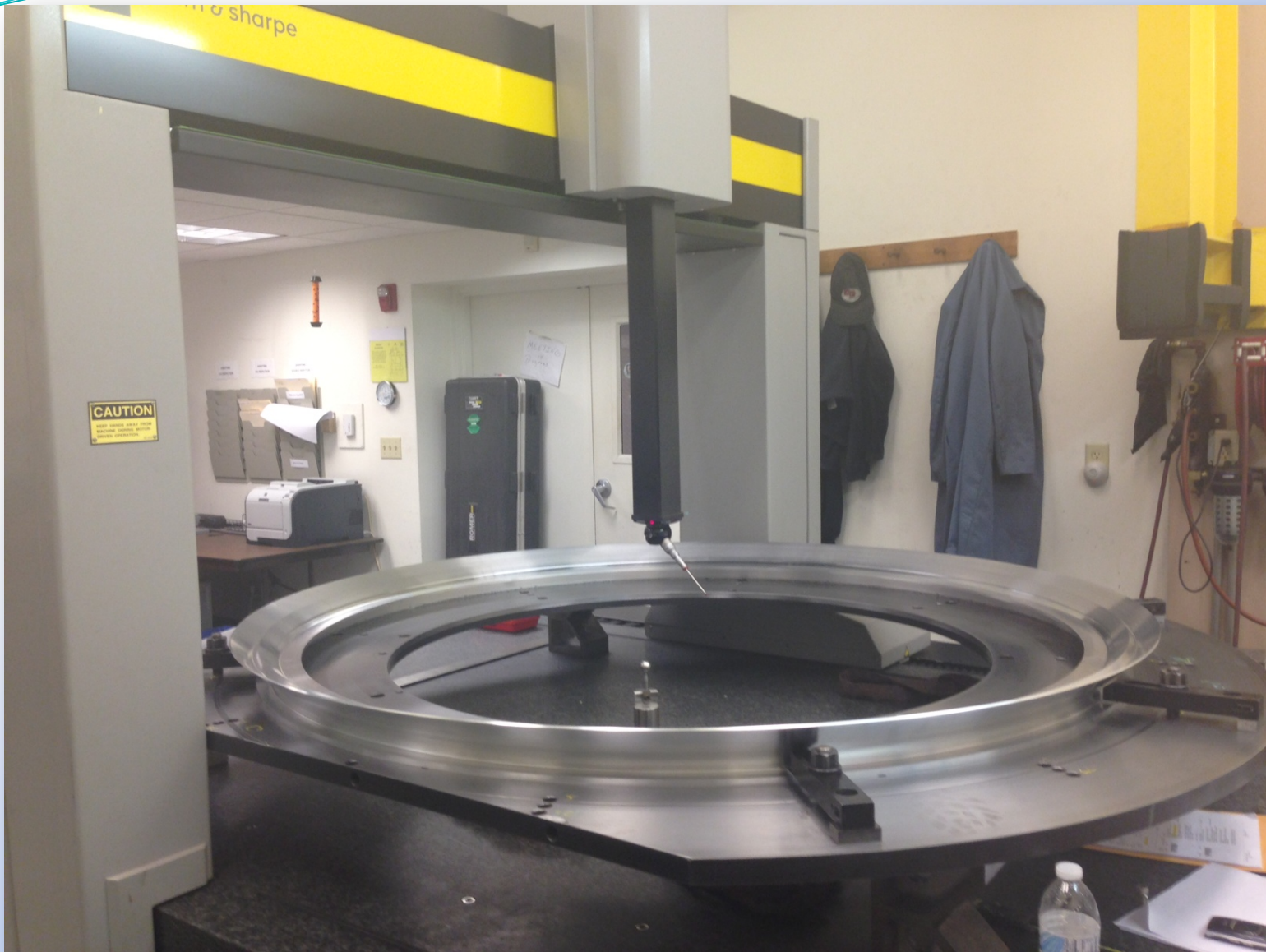


Aerospace – Aluminum Casting Program

CMM – Brown & Sharp Excel

○ 59" x 118" x 39.4" work envelope





Precision Turning – 64” diameter thin wall Aluminum– Rocket Inter-stage Spacer



Precision Aluminum Machining – from solid 6061T6 Plate





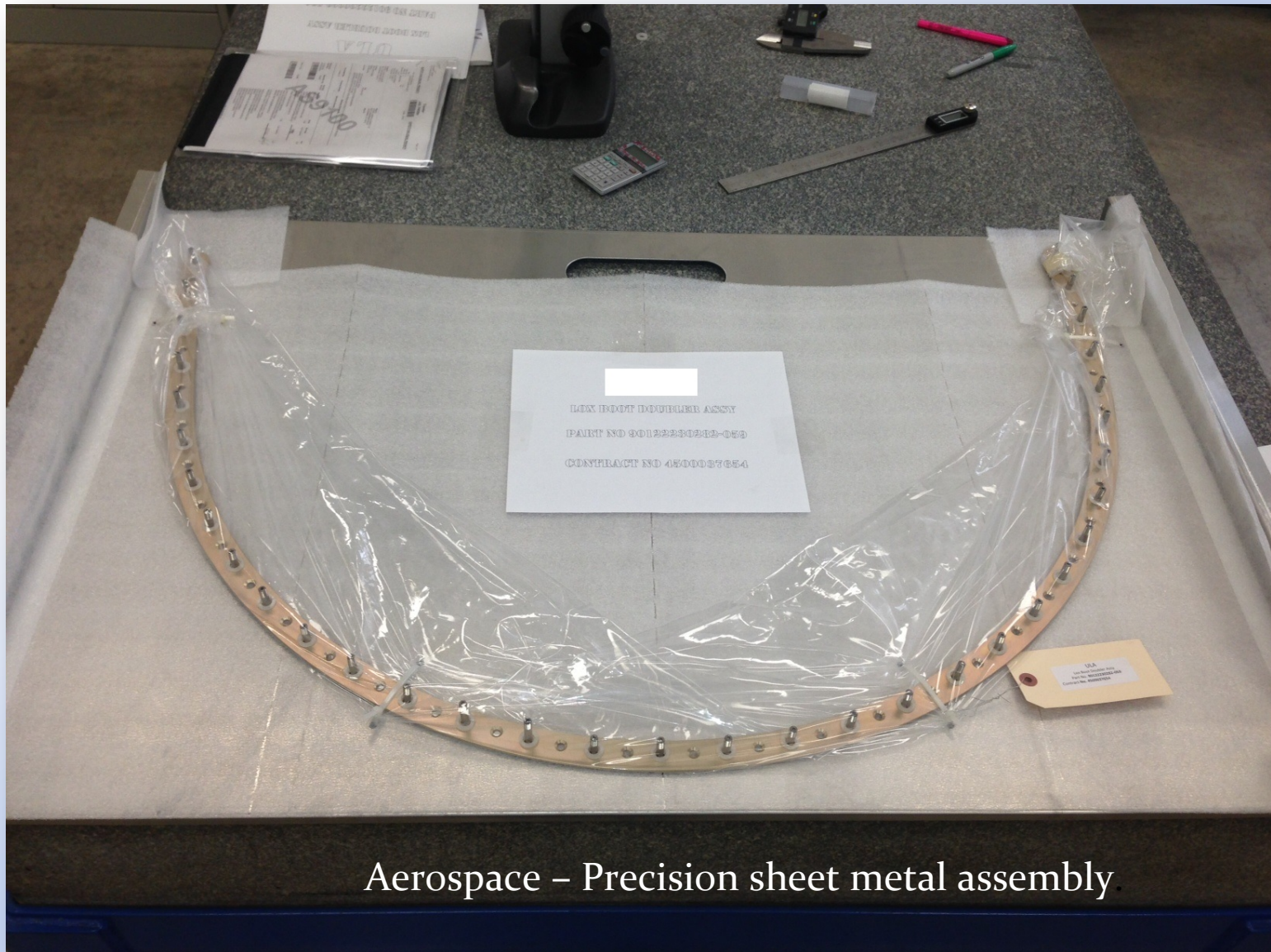
Aerospace – Precision machining from solid aluminum block  
Nitrogen retro fairing relief valves – Delta Rocket





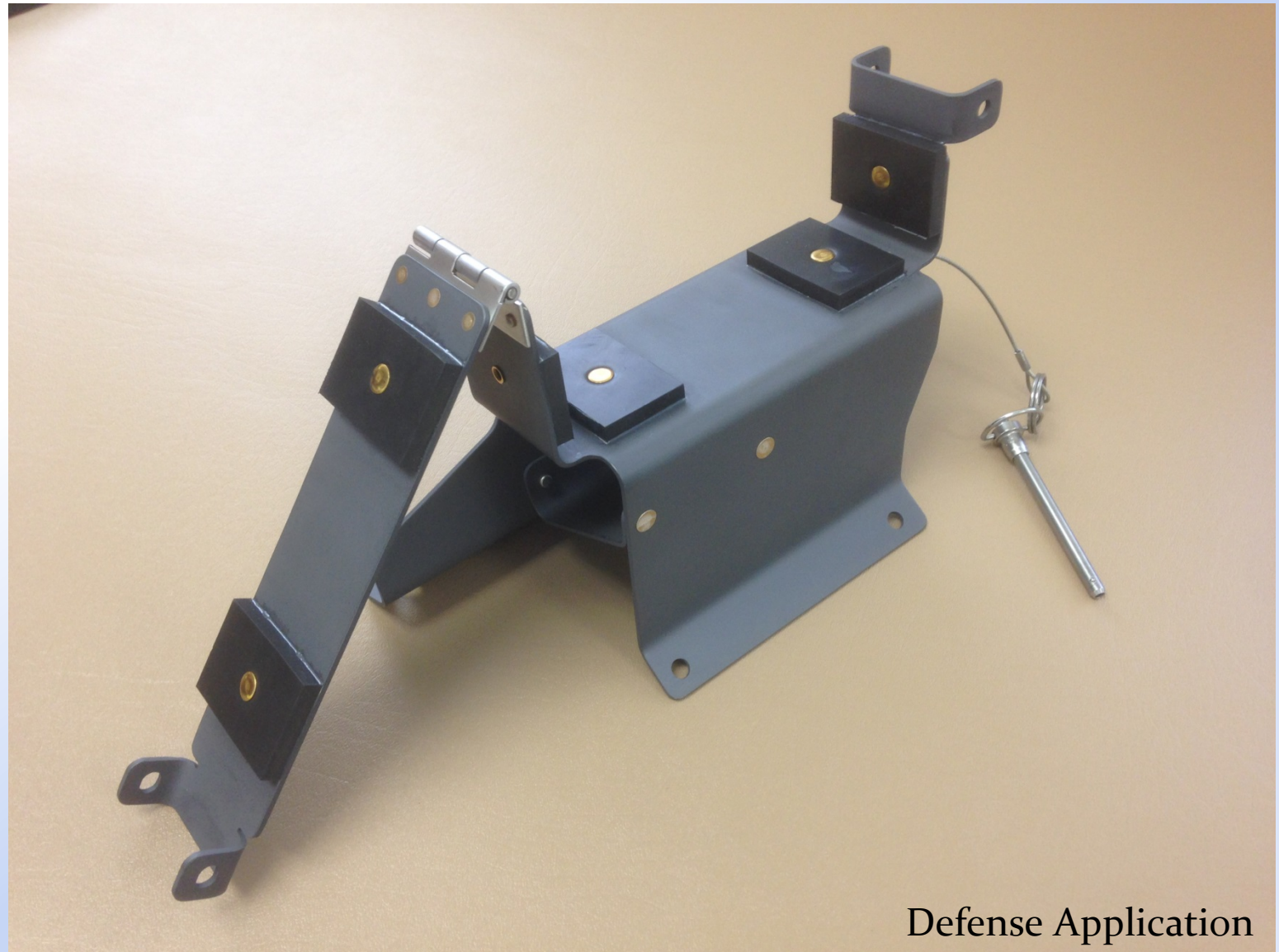
Program Work - Machining, Fabricating, Assembly, Markings.



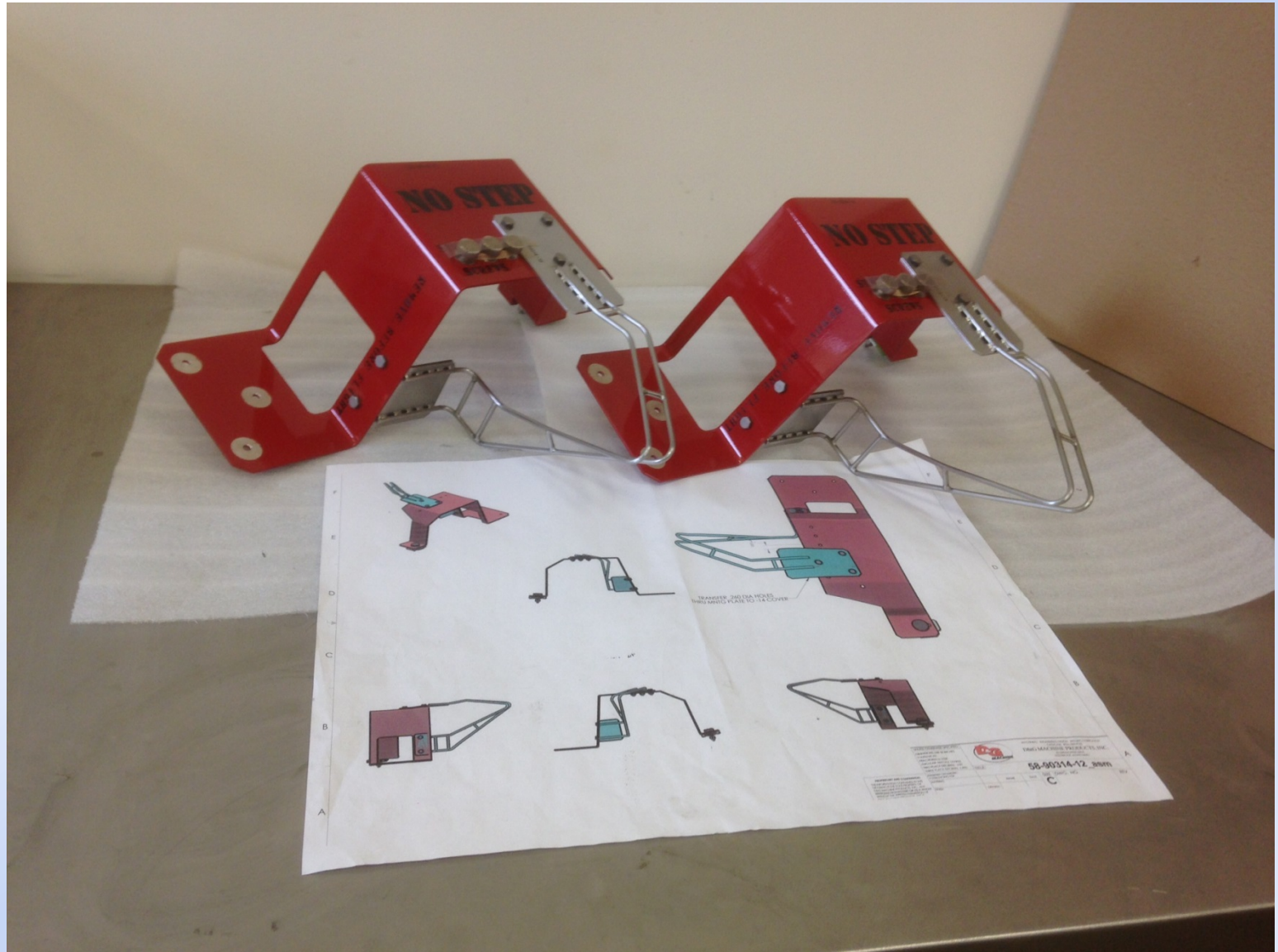


Aerospace – Precision sheet metal assembly.



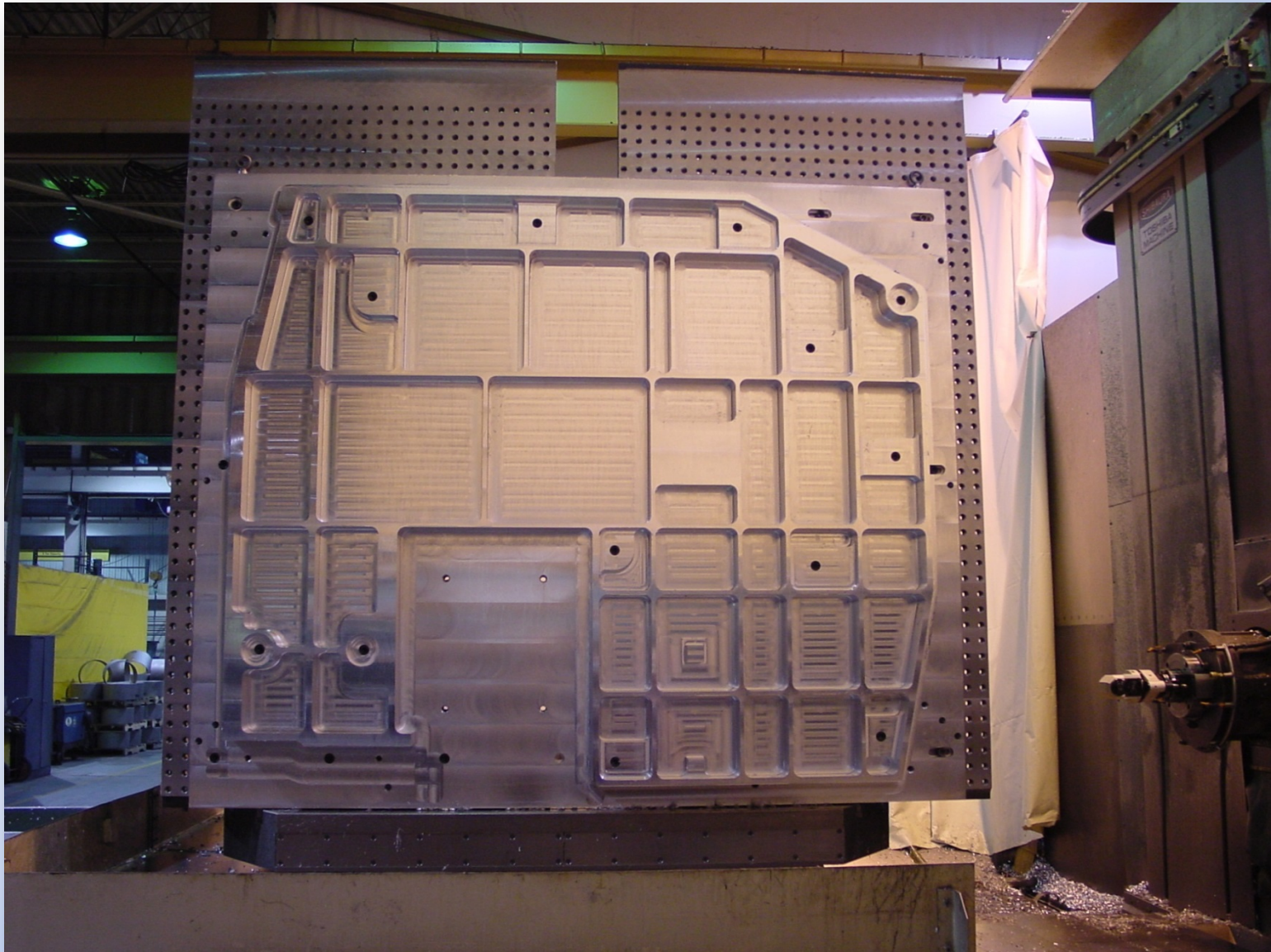


Defense Application



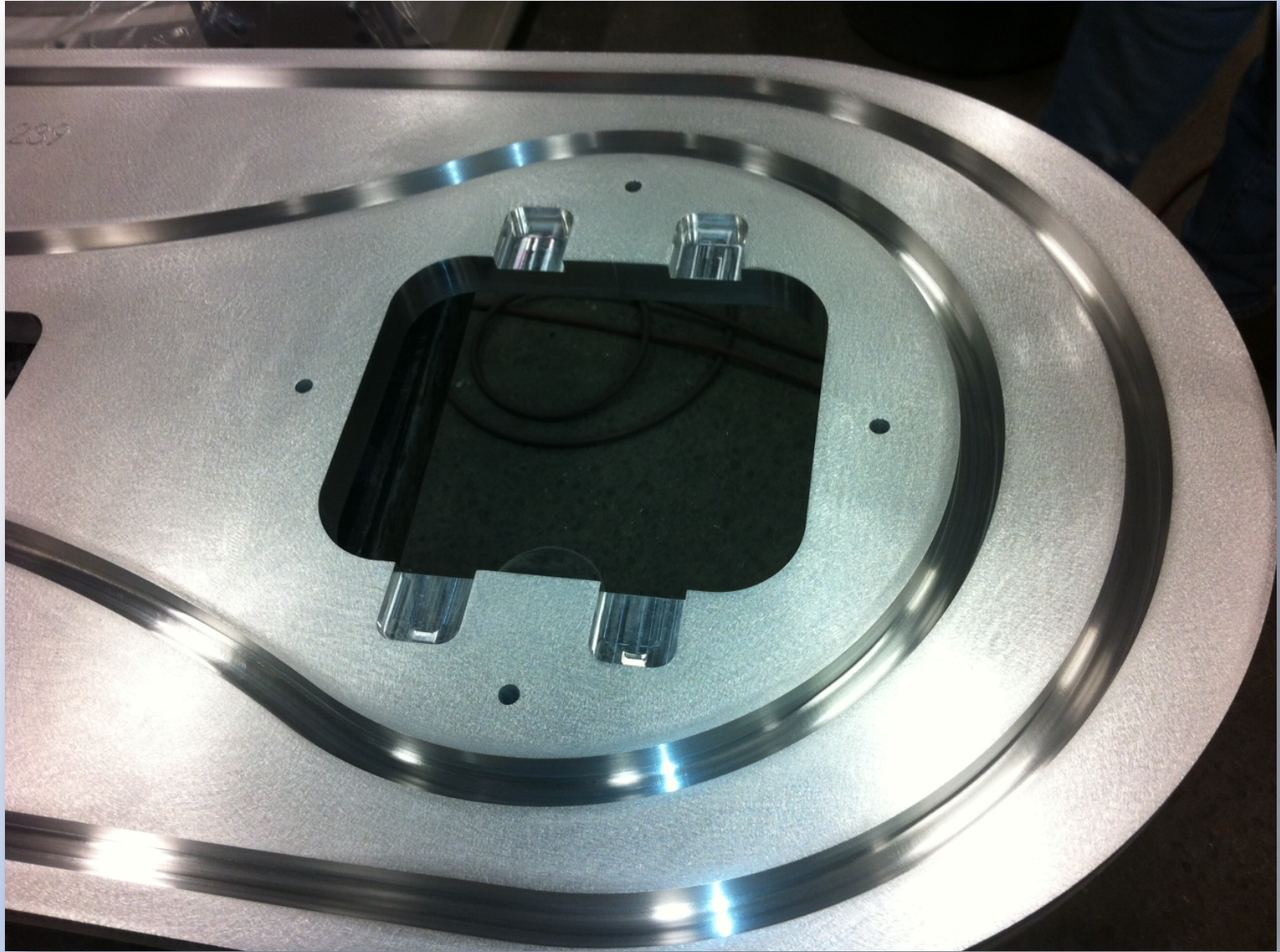
Aerospace Application





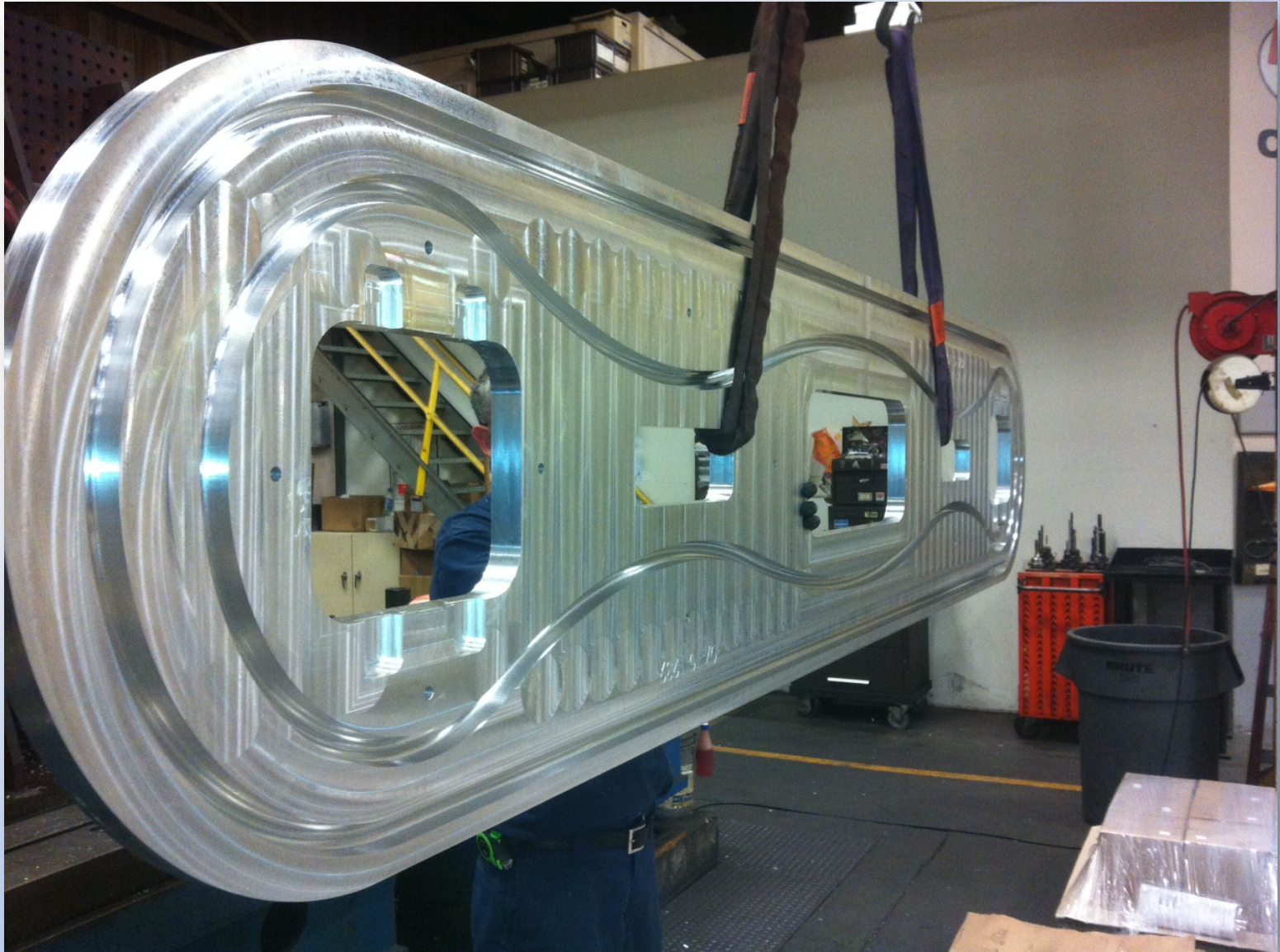
Aluminum Floor Plate – 6" x 98" x 98"

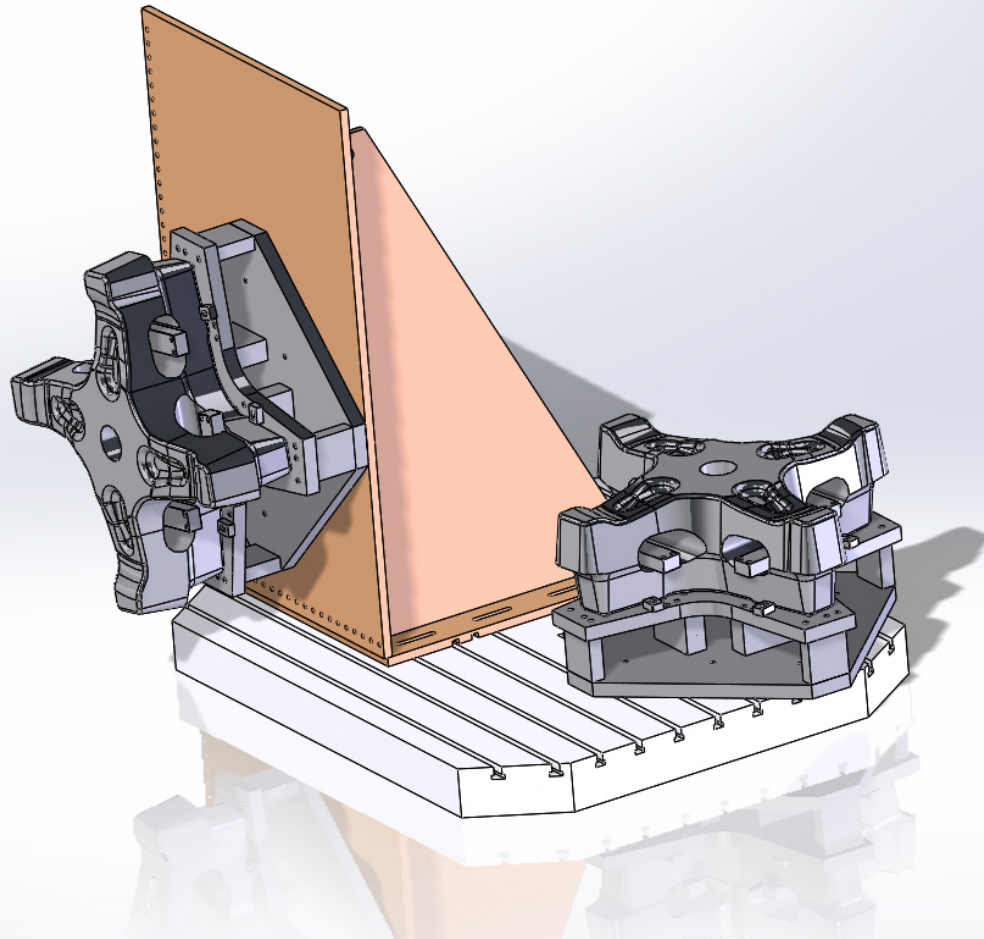




Aluminum mold – Mirror Finished Grooves







Project Development /  
Concept





Foam Test Fixtures





Machining Foam Fixtures – Program Prove Out





Finished Titanium Rotor Hub



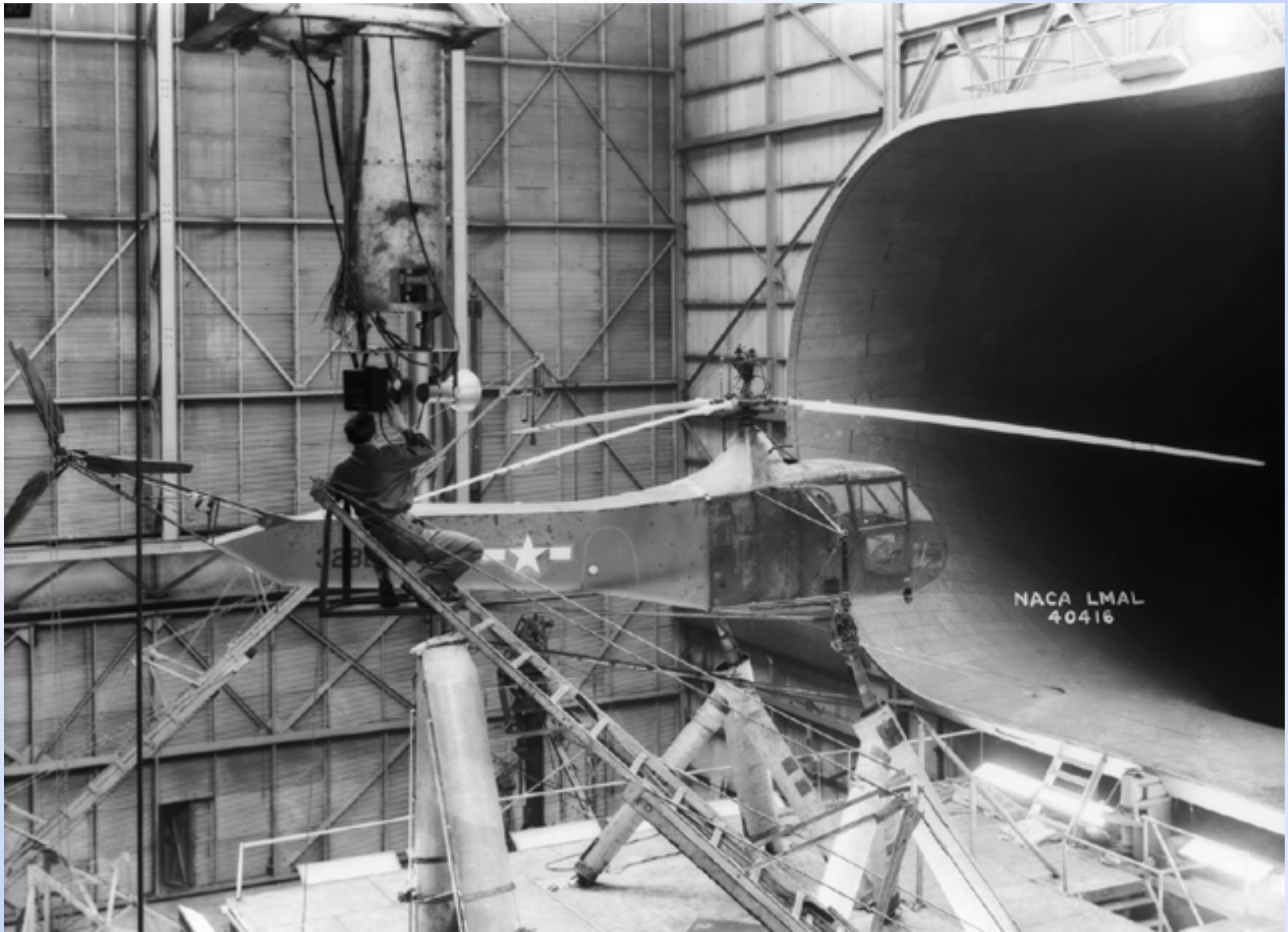


Tail Drive Test Fixture – Final Assembly



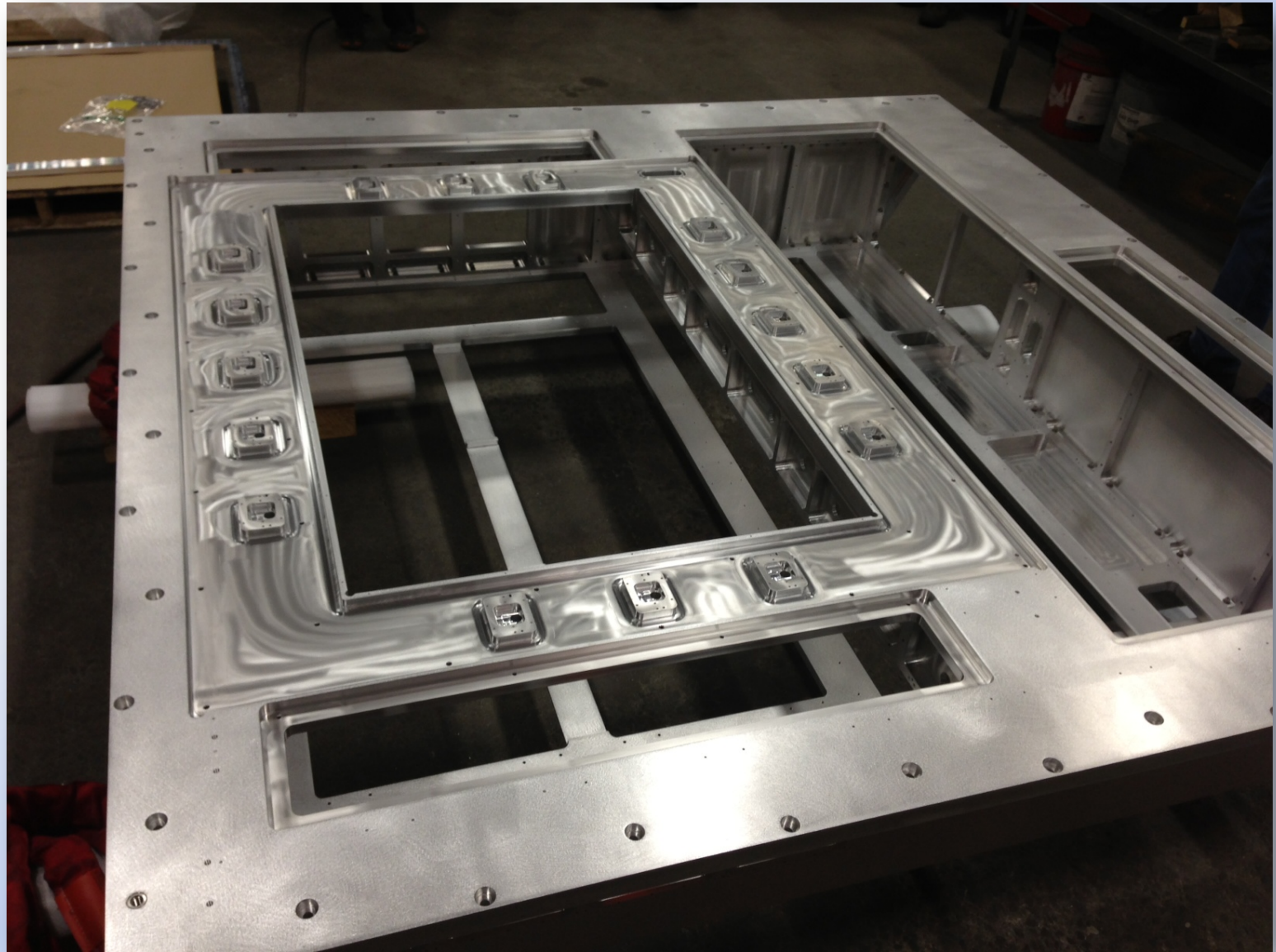


Finished Assembly – Shipping to Customer Site



Tail Drive Test Fixture -





Defense – Multi Component Bolt Together assembly



Precision Finished Assembly





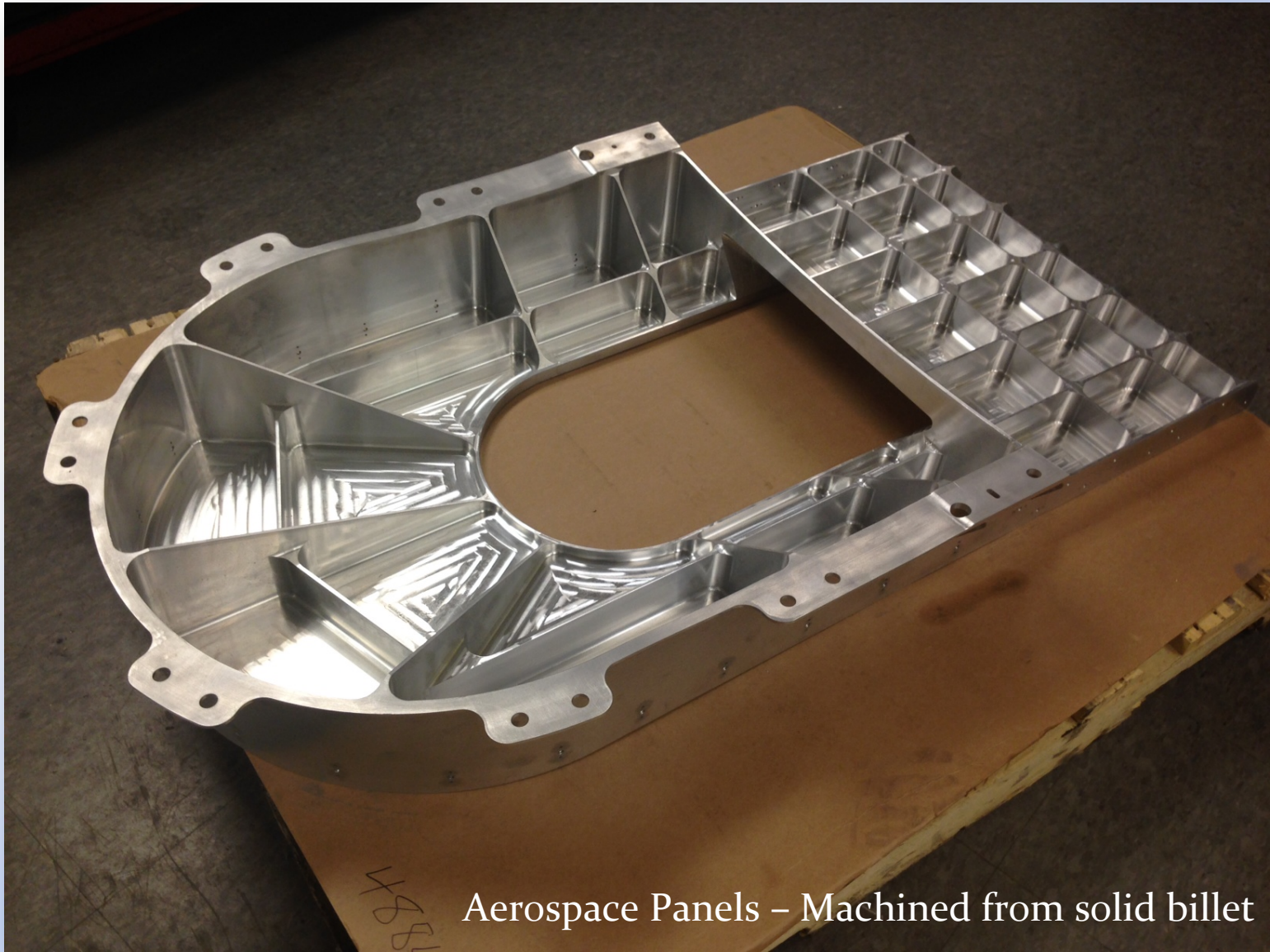
Defense – Multi component Bolt together Assembly





Precision Finished Assembly

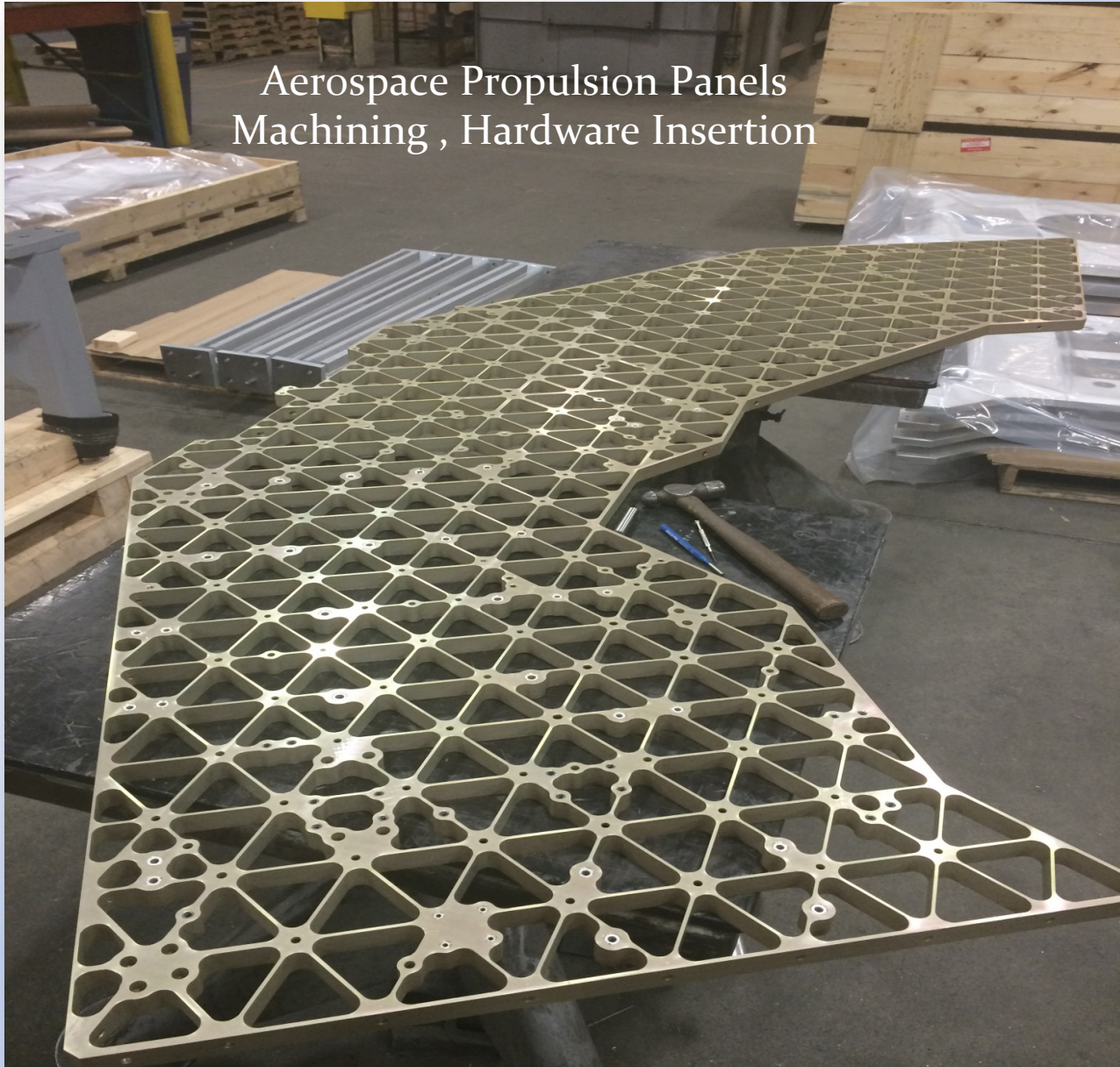




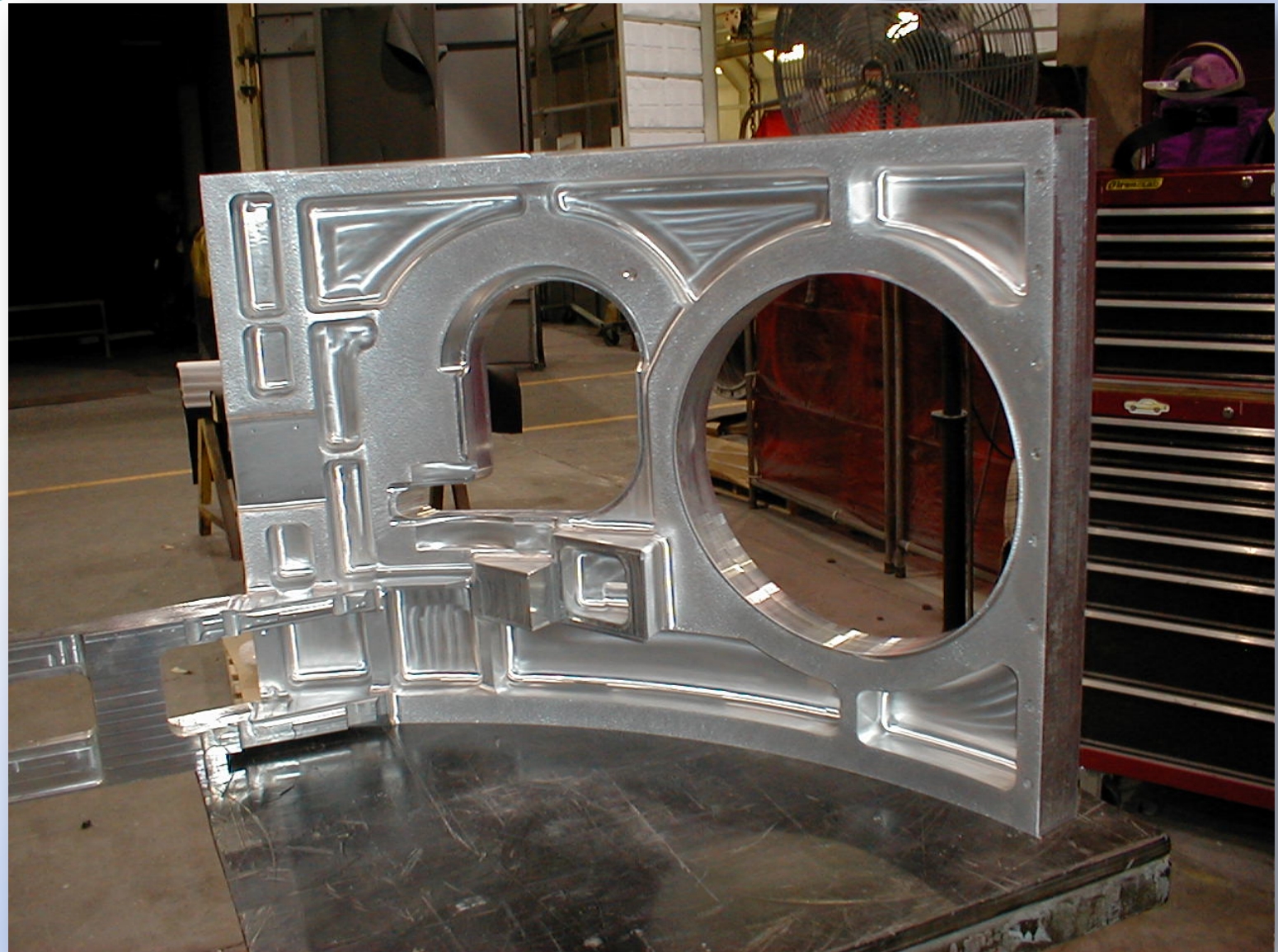
Aerospace Panels – Machined from solid billet



Aerospace Propulsion Panels  
Machining , Hardware Insertion

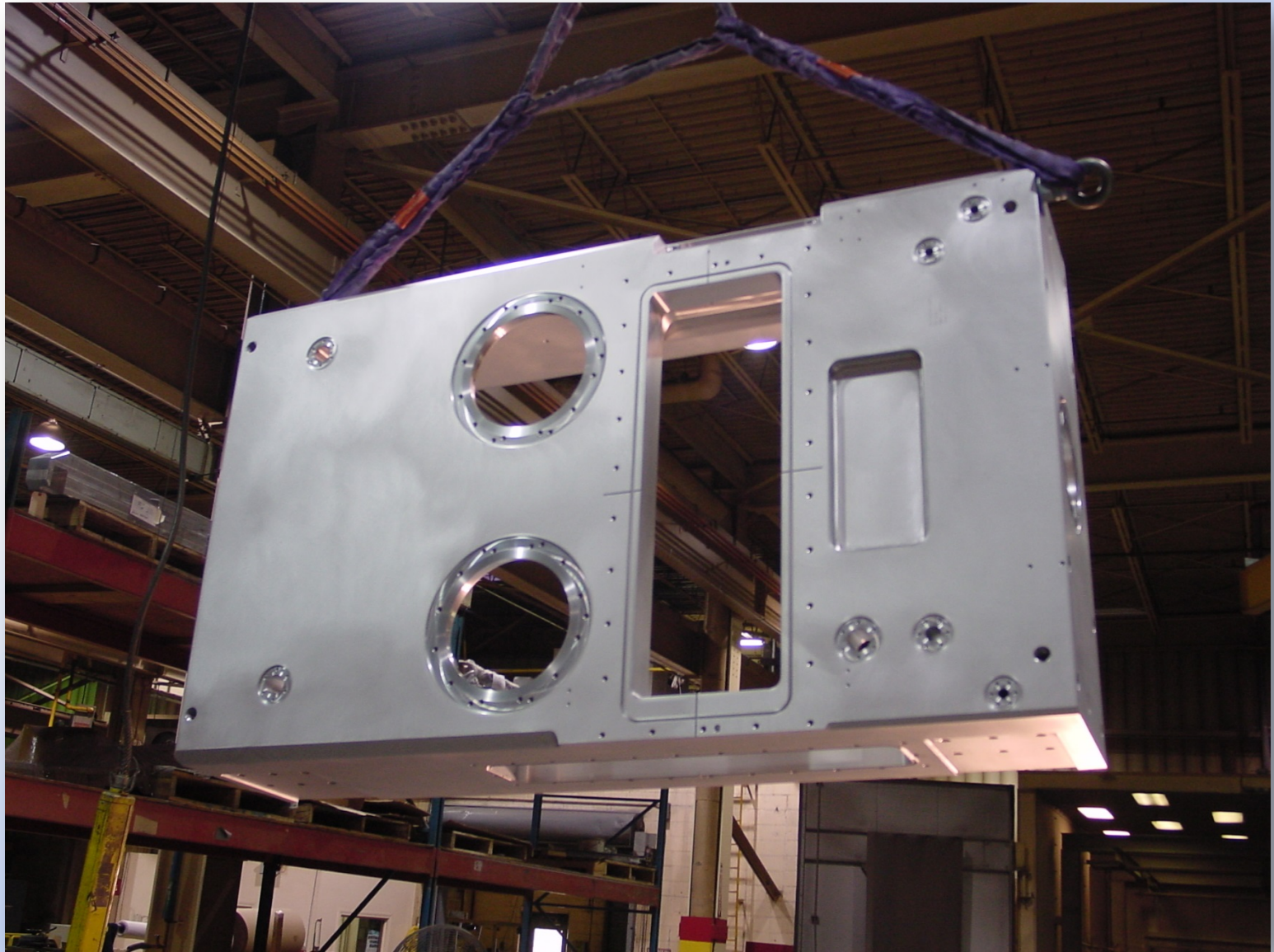






Aerospace – Machined Aircraft Door





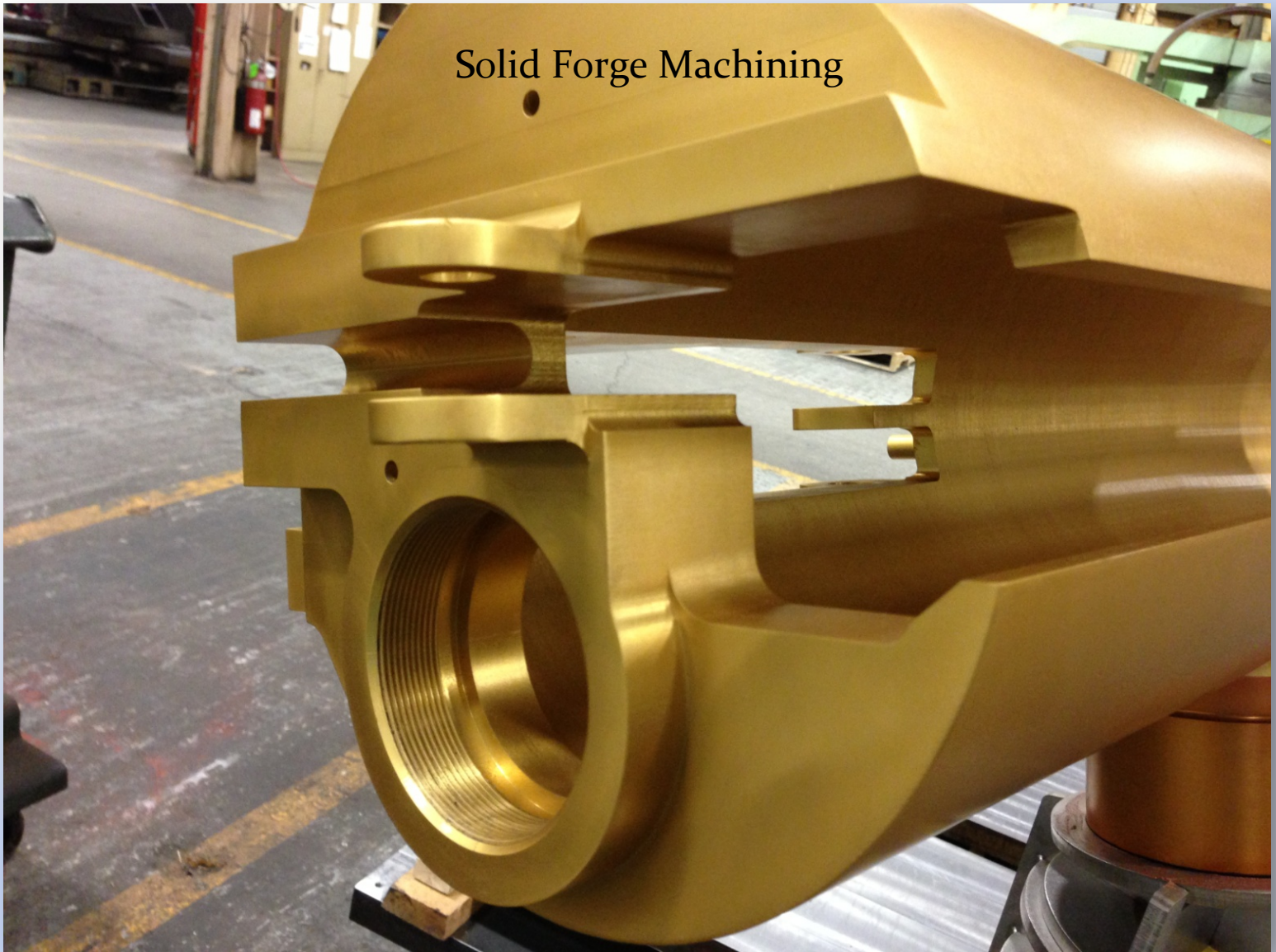
Semi-conductor - 18" Thick Cast Machined



Machine gun silencer – Solid Bar Machining

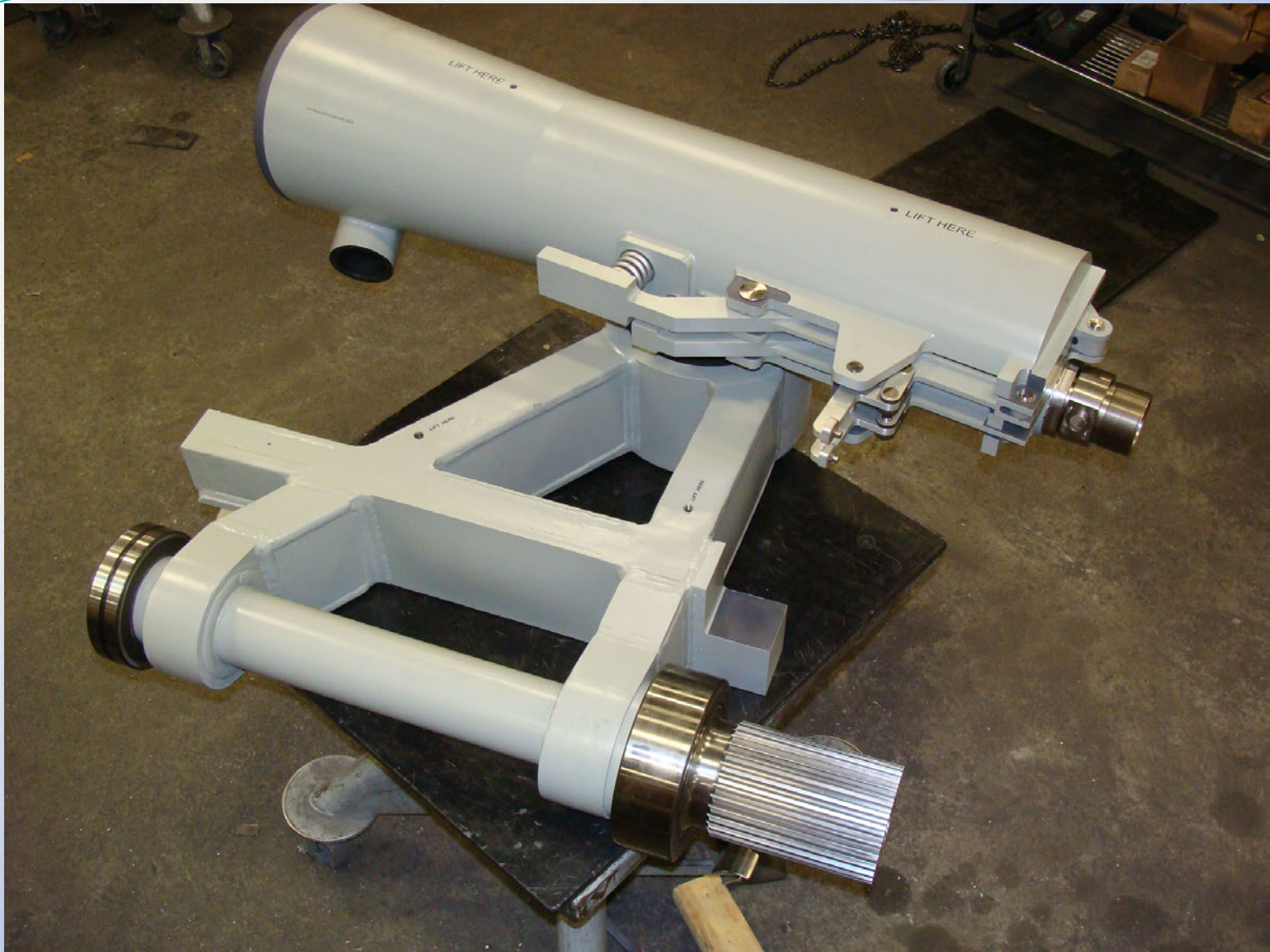


## Solid Forge Machining









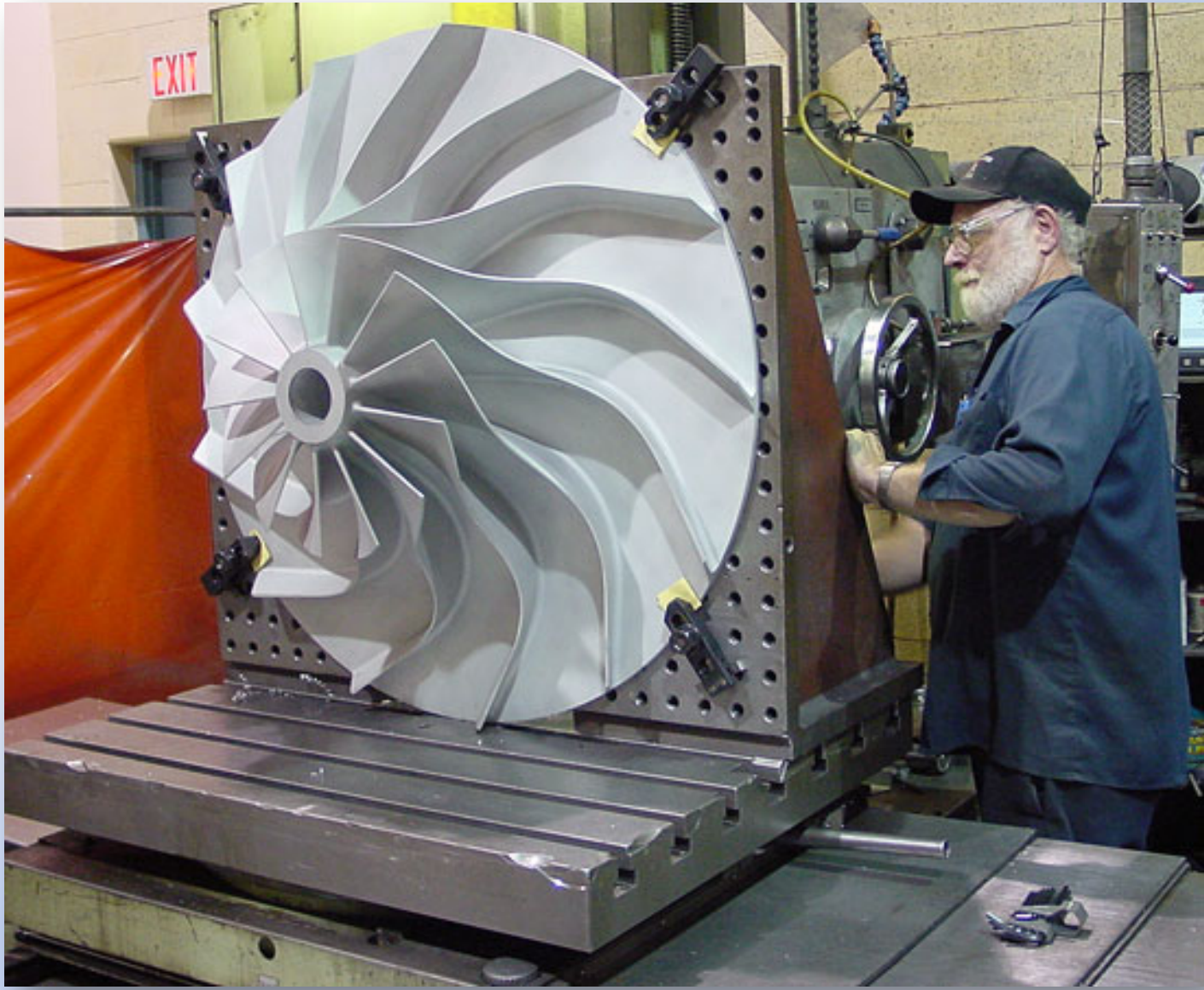
Precision Finished Assembly





Defense – Precision Finished Assembly



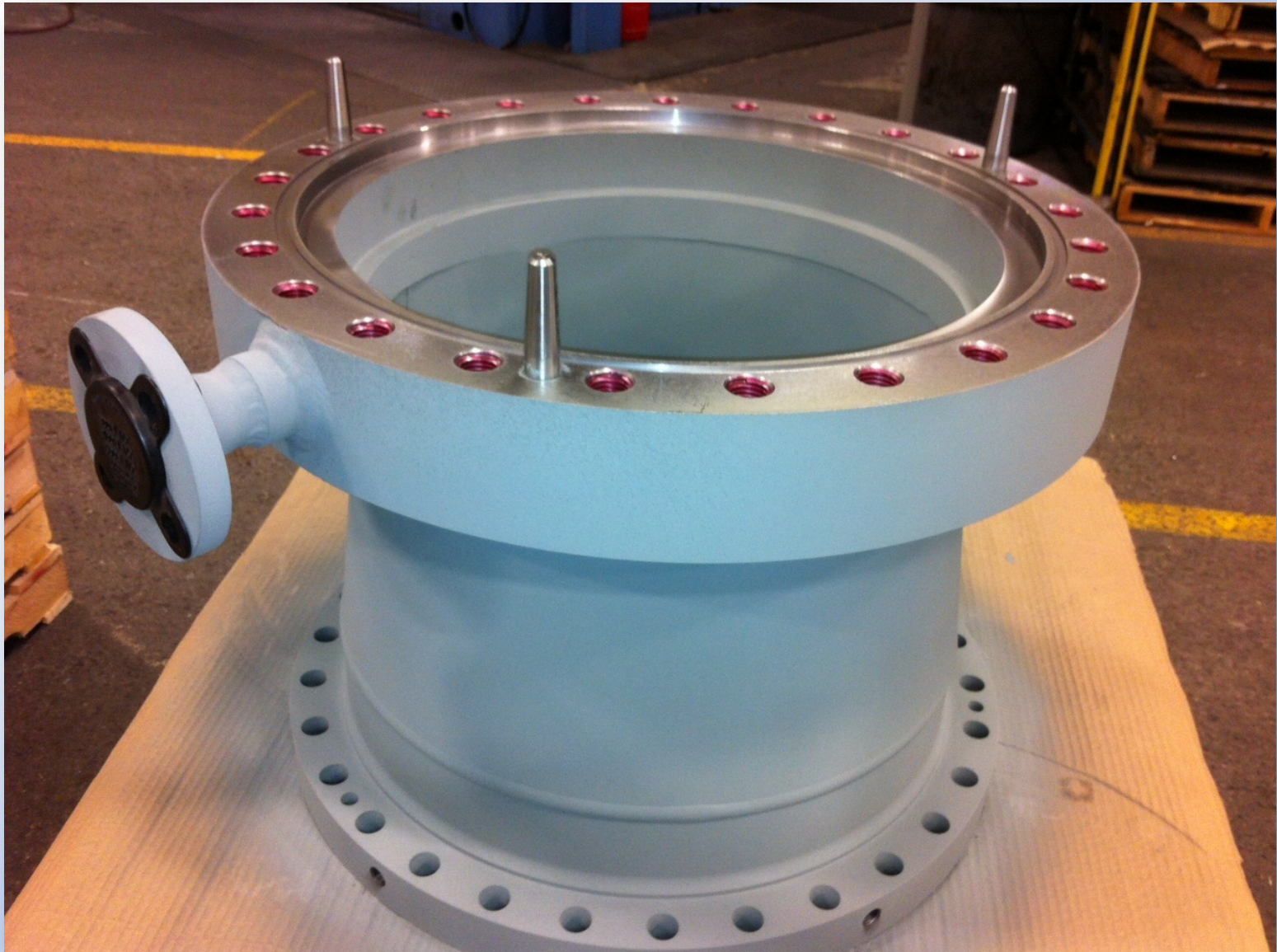


Oil & Gas – Impeller



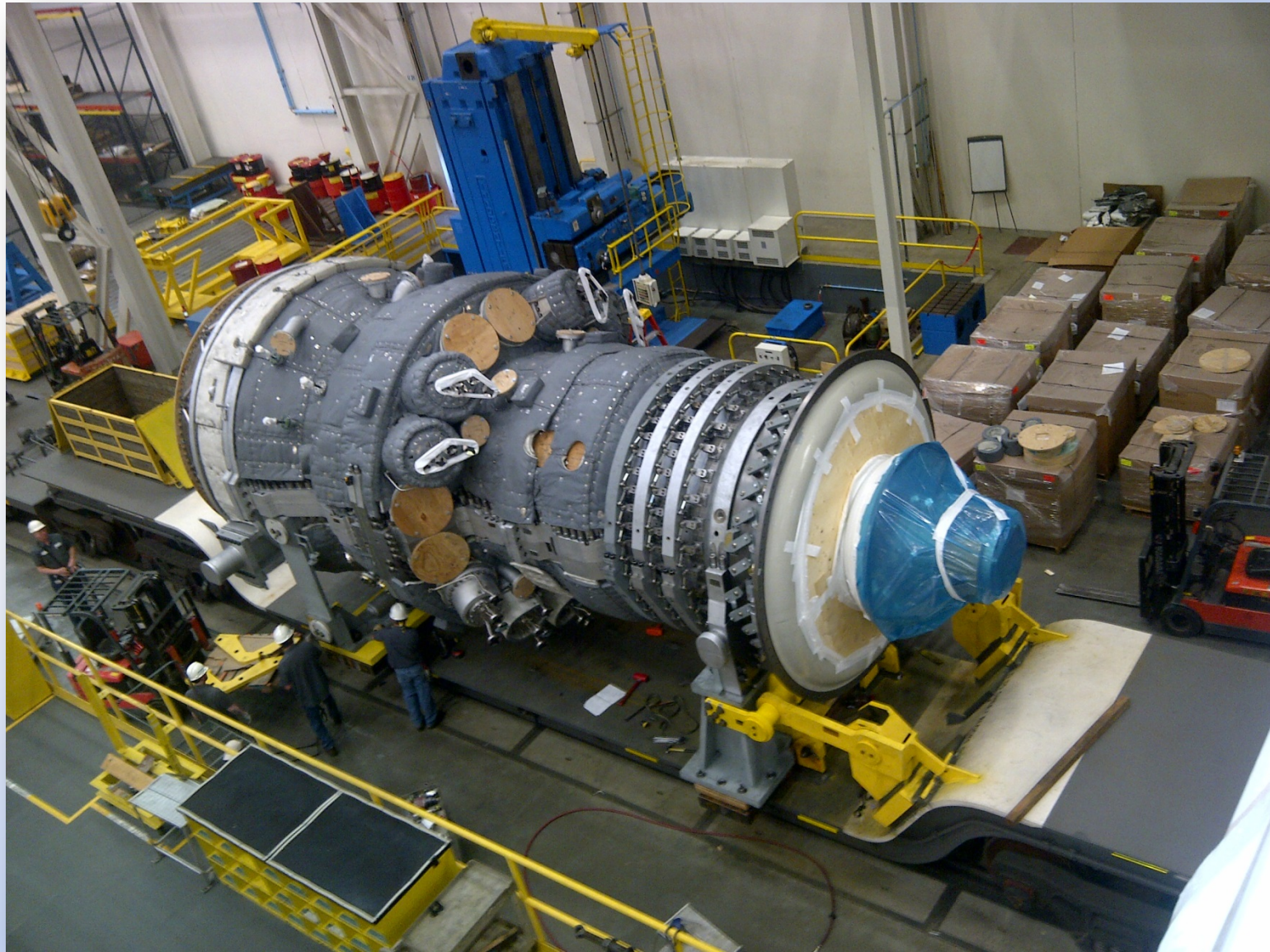
Magnesium Casting – Helicopter Rotor Hub





Gas Turbine Combustion Case





Heavy Duty Gas Turbine Engine



# Semi-conductor Vacuum Chamber Heliarc Fusion Welding







Military Application – Radar Radom





Radar Application – Precision Finished Assembly



# DEFENSE



MAN

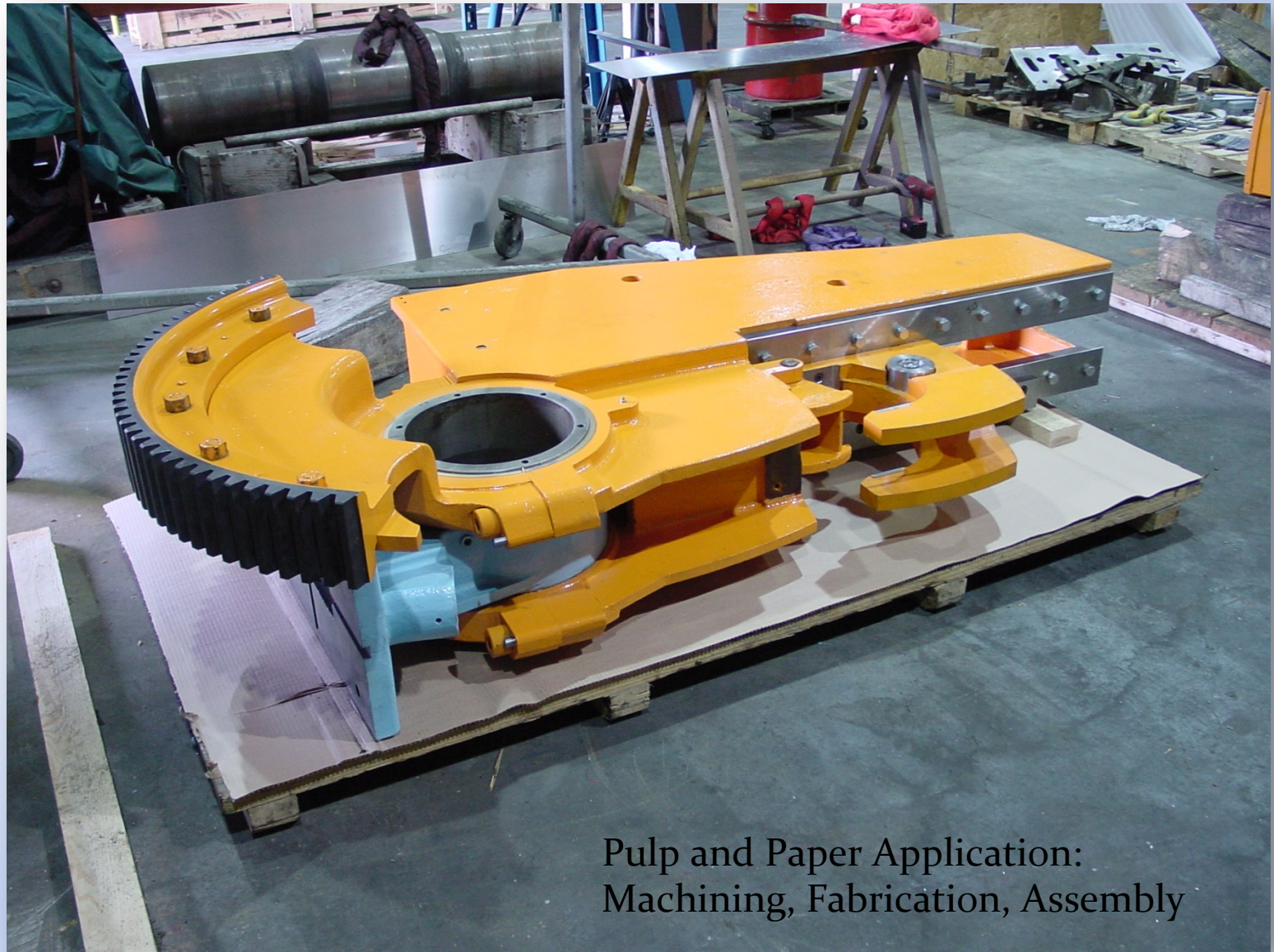
AGS Firing Shape Assembly – 5 pc. Assy. / 300lbs each – 600 Assemblies





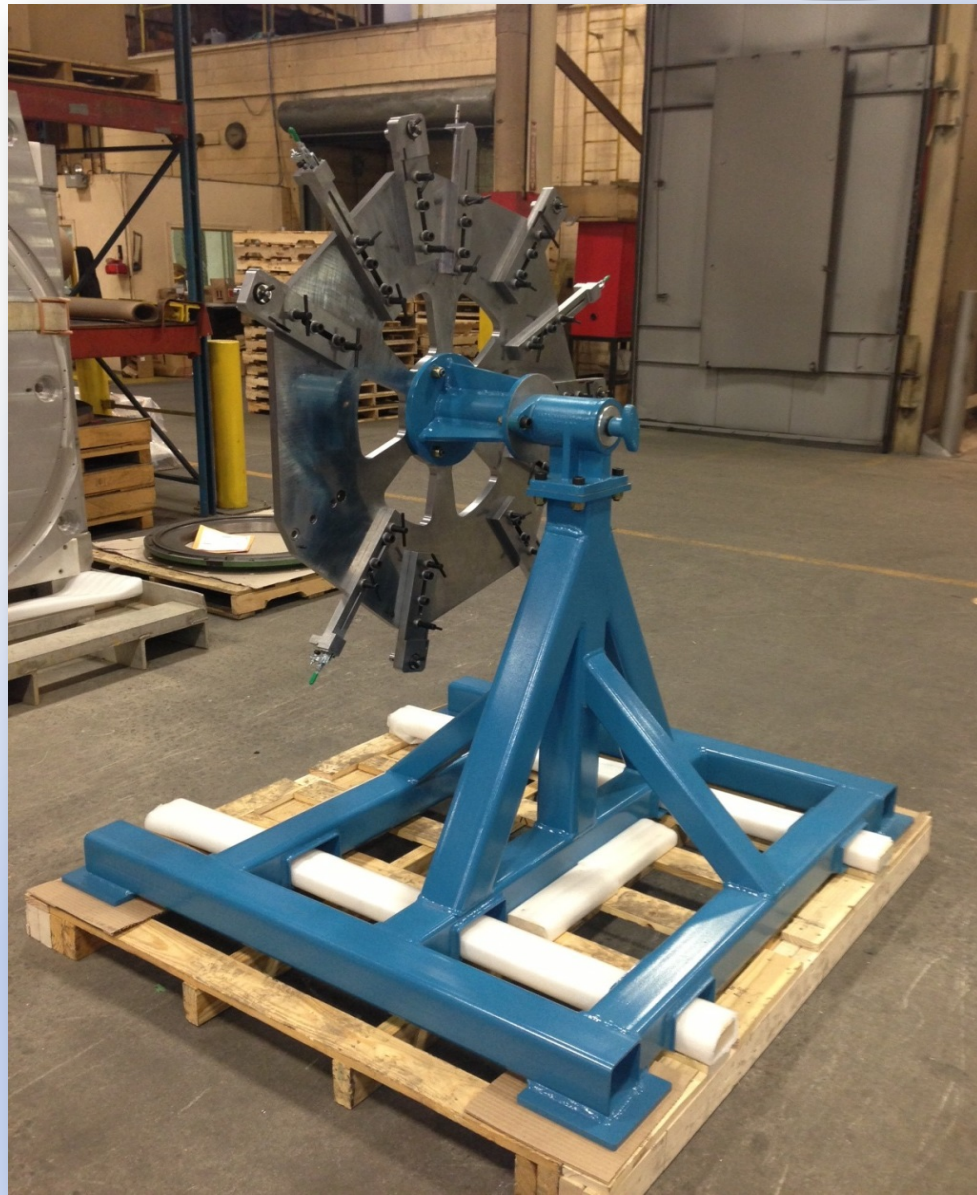
Firing Shape Assembly – Program Machining / over 600 Assemblies





Pulp and Paper Application:  
Machining, Fabrication, Assembly





Aerospace: Engine Alignment Fixture Stand





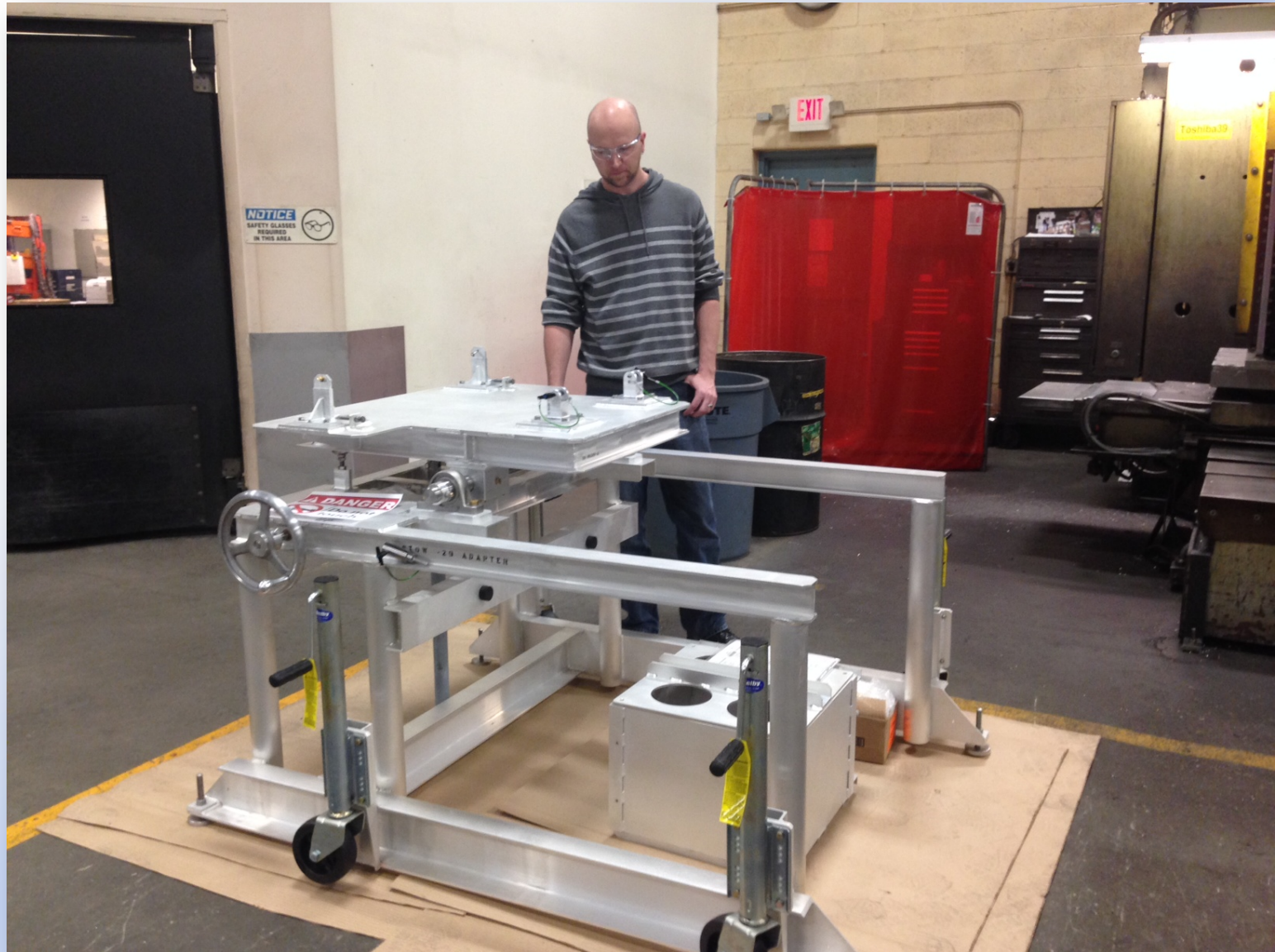
Defense: Gun Test Stand





Aerospace: Engine Alignment Fixture





Launch Programs: Assembly Rotation Fixture





Commercial Application - 5D Carbon Fiber Loom Assy.

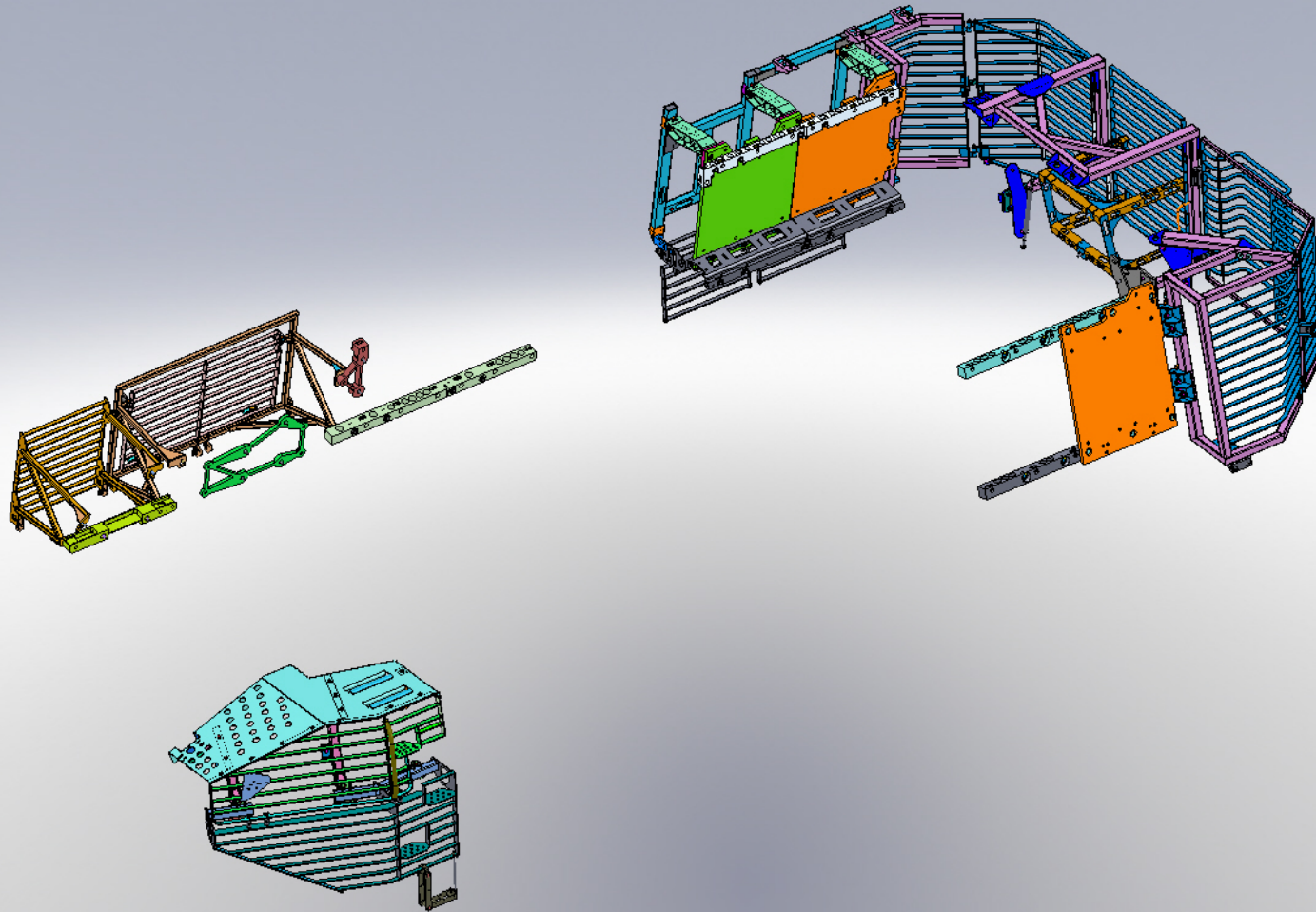


Defense: AGS Gun Test Stand





Military – Humvee Ammo Can



Design and Engineering Support – Military Application





Defense





Defense Application





D&G Machine – Project Machining, Fabricating, Assembly, and Quality

# The Perfect Fit.....



D&G Machine  
Products Inc.  
Gorham, Me  
Welding Technology  
Center

D&G Machine  
Products Inc.  
Westbrook, Me  
Precision Machining

