

# D&G Machine Products Inc.

A certified ISO 9001:2015 + AS9100D Company + ITAR compliant  
Classified as a Small Business

Established 1967



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

# Aerospace Presentation

D&G SUPPORTS UNITED LAUNCH ALLIANCE PROGRAMS  
VANDERBERG AIR FORCE BASE, CALIFORNIA



# Introduction

- D&G Machine was incorporated in 1967.  
Classified as a Small Business
- Currently staffed with 100 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 ISO9001:2015 + AS9001D Company + ITAR compliant.



# Market Sectors

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

# Westbrook Facility Capabilities

- CNC 3-4-5 Axis Milling
- CNC Turning Centers
- CMM inspection Equipment
- Project Management – JoBBoss MRP,  
Unipoint Quality System
- System Integration / Commercial Solutions

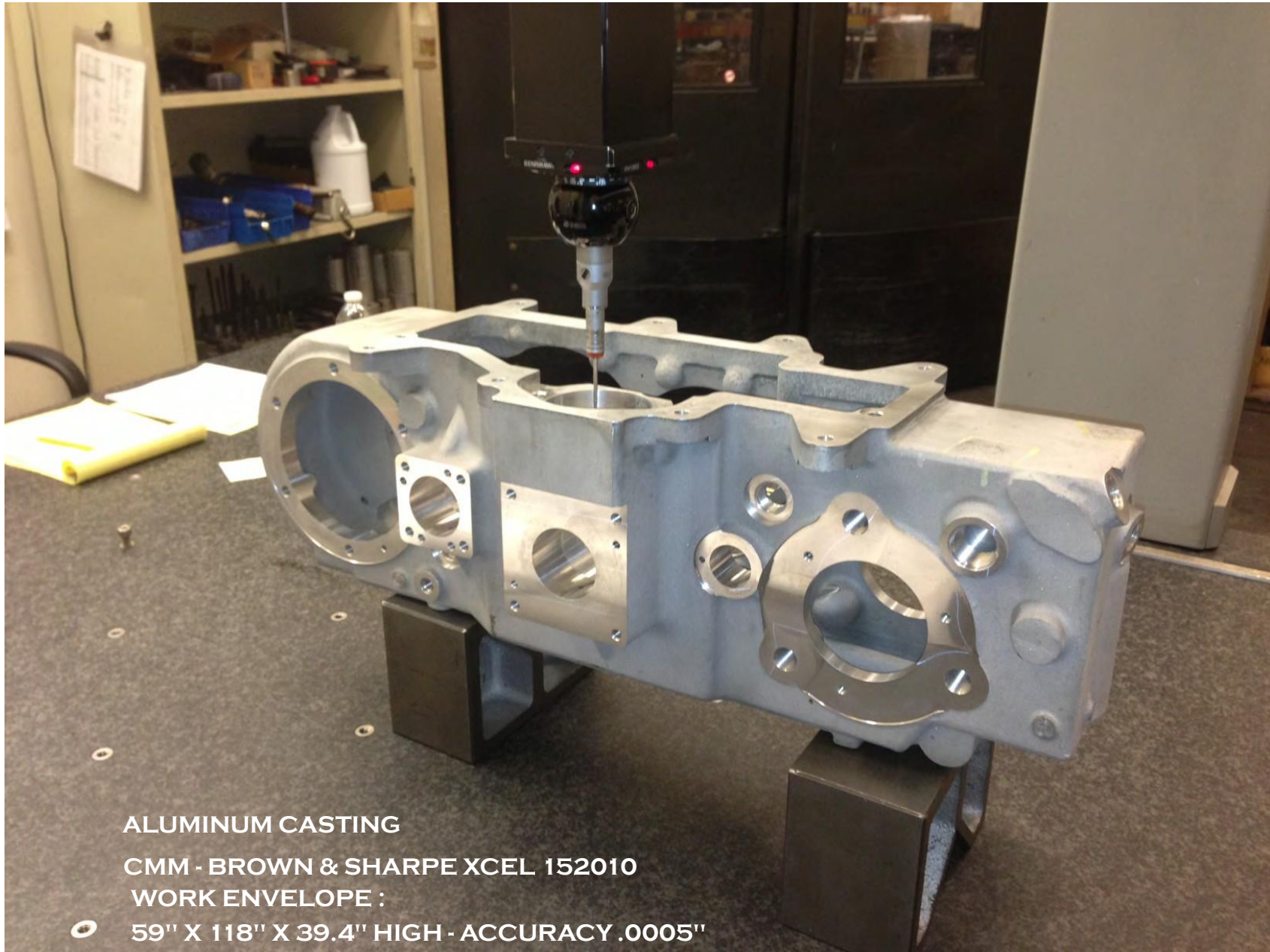


# Gorham Facility Capabilities

- 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 Codes
- Sheet Metal and Fabrication Assemblies

# Material Capabilities

- Specialty Alloys
  - Titanium, Inconel, Magnesium
- Aluminum
  - Aircraft Quality Plate and Castings
- High Strength Alloys
  - 4100 Series, Chrome Molly, HY80, HY100, A514
- Stainless Steels
  - 17-4, 15-5, 400 series, 300 series
- Carbon Steel



ALUMINUM CASTING

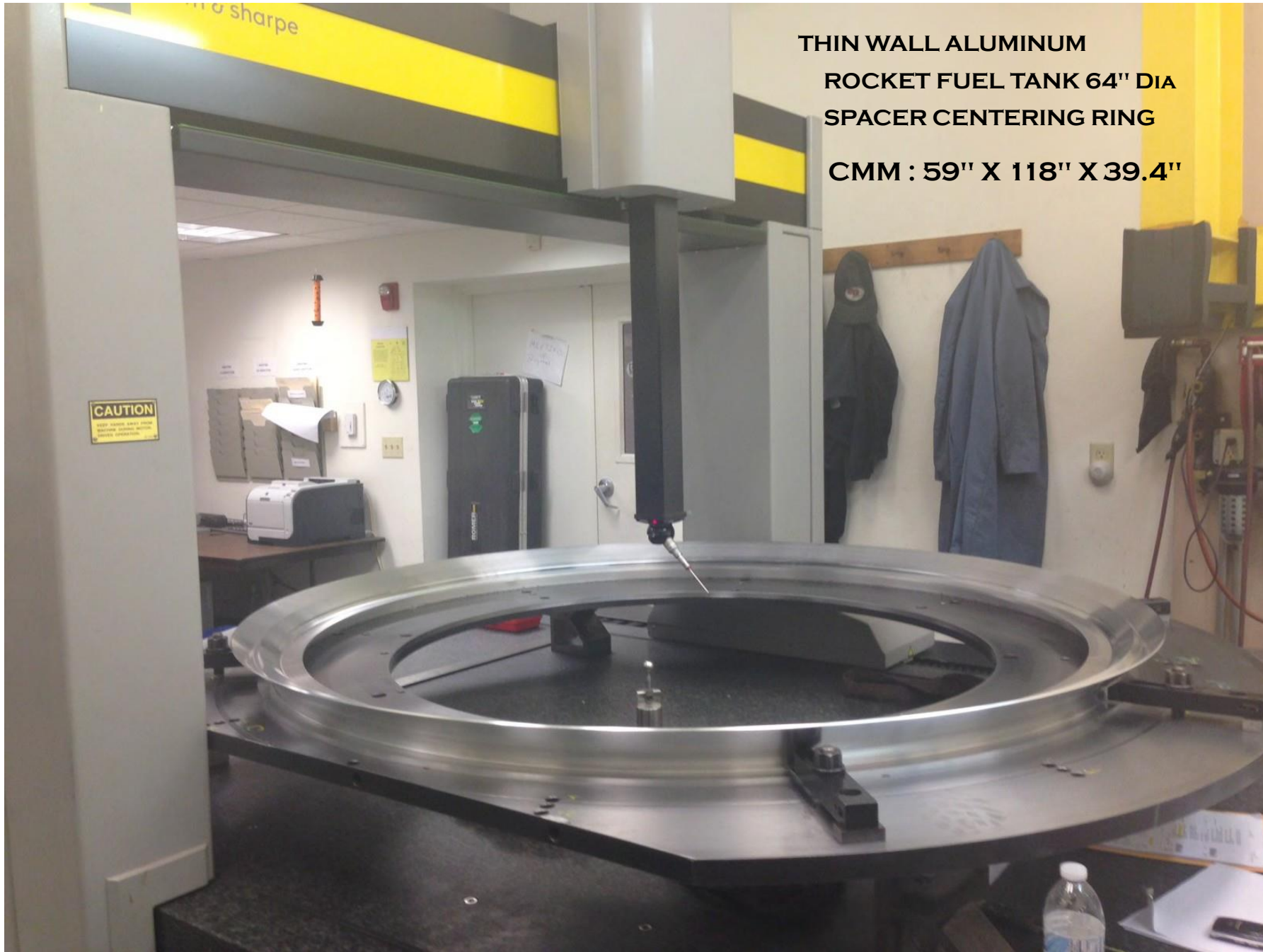
CMM - BROWN & SHARPE XCEL 152010

WORK ENVELOPE :

○ 59" X 118" X 39.4" HIGH - ACCURACY .0005"



**THIN WALL ALUMINUM  
ROCKET FUEL TANK 64" DIA  
SPACER CENTERING RING  
CMM : 59" X 118" X 39.4"**

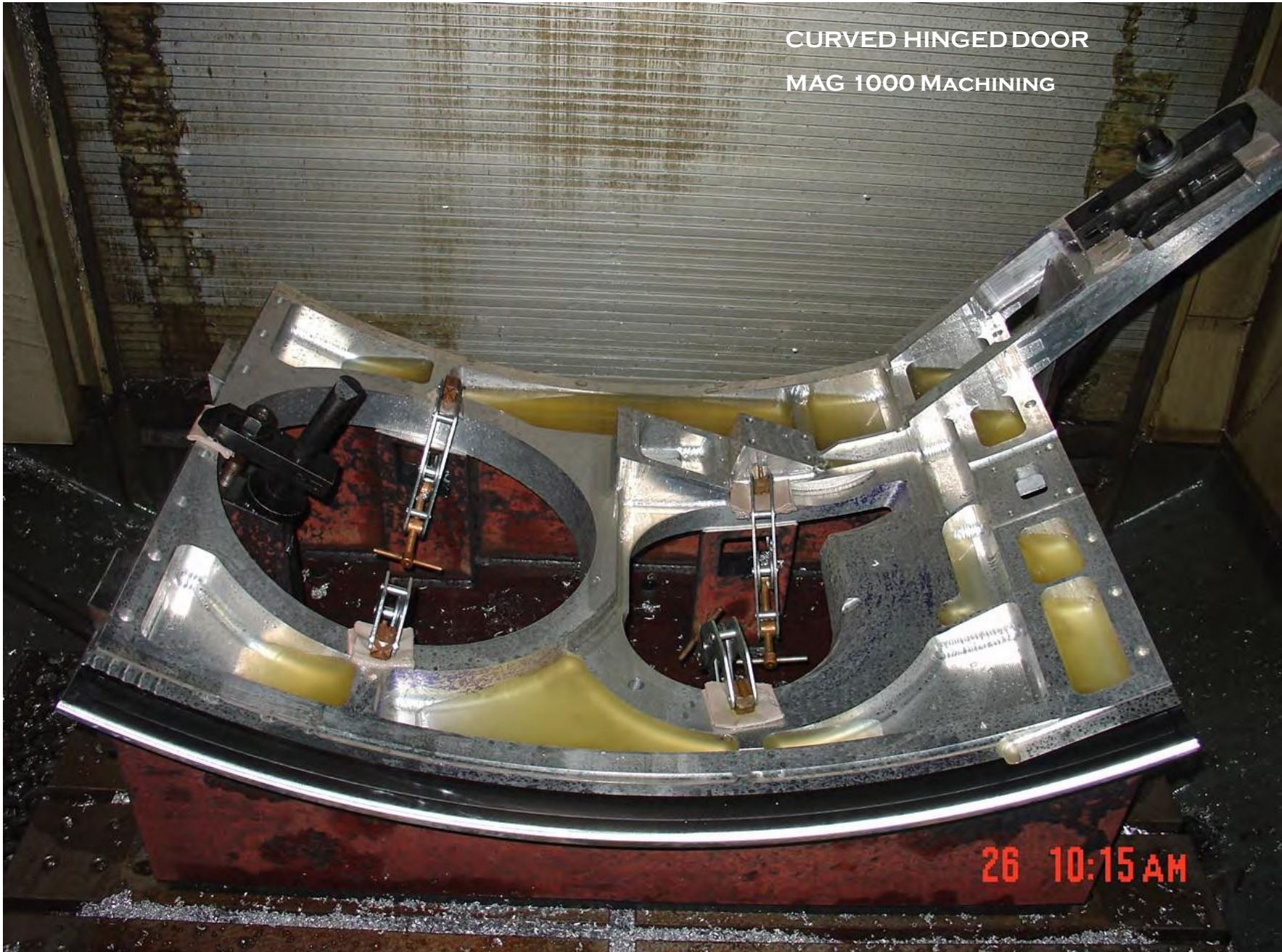


CRJ SERIES  
ENTRY DOOR FRAME  
MAG 1000 MACHINING





CURVED HINGED DOOR  
MAG 1000 MACHINING

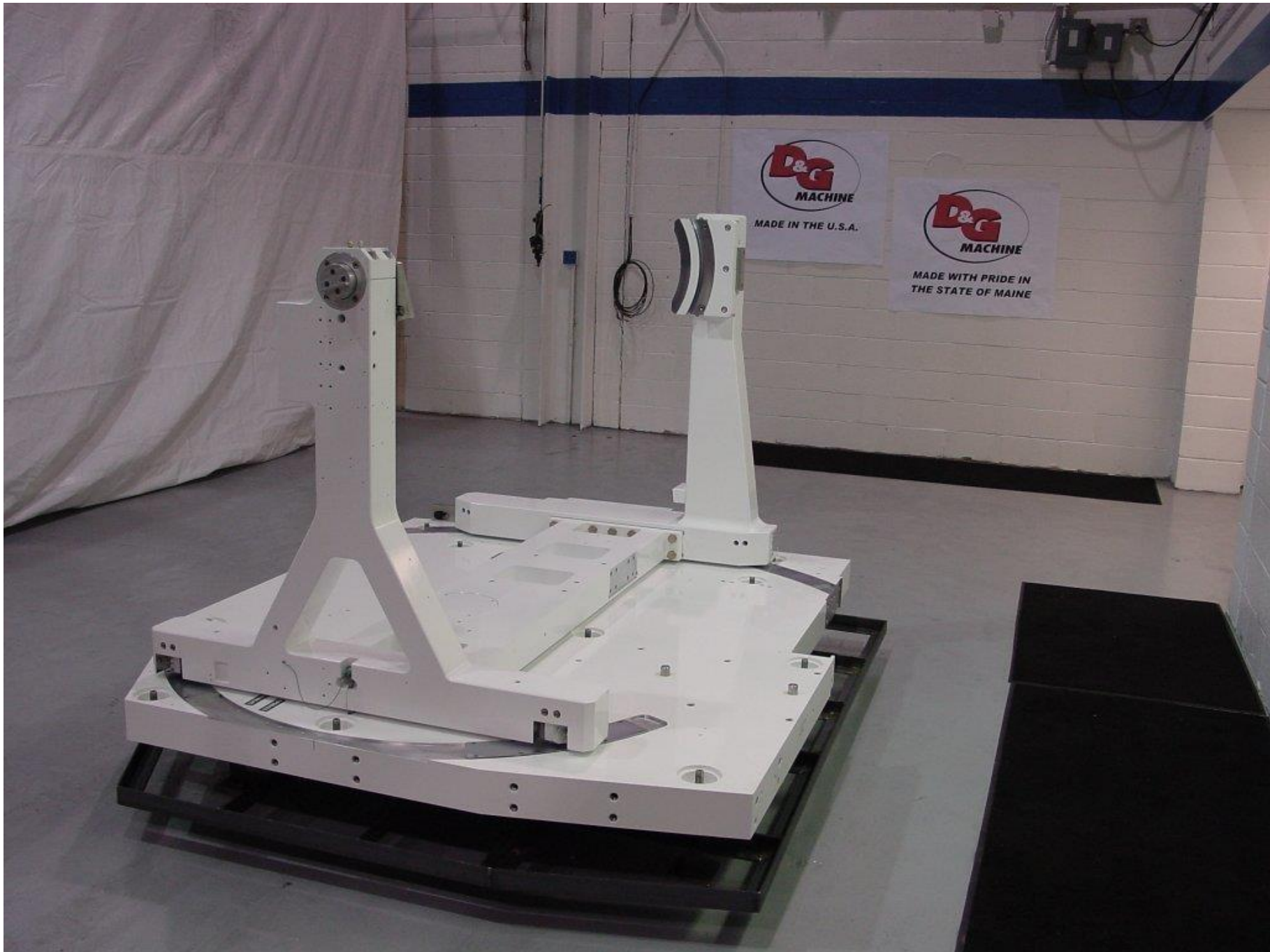


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LARGE OPEN MILLING  
PREP FOR PRECISION  
WELDING







**PRECISION MACHINING**

**160 " LONG X 80" HIGH TRAVEL**

**25 HP X 2000 RPM**






PREP FOR ULTRA HIGH VACUUM TEST

HAND POLISH 16/32 CIRCULAR LAY SEAL SURFACES





**FINAL PRODUCT**

**FAB / MACHINED / ASSEMBLY**

**PREP / PAINT TO SHIP**

**LAY DOWN ITEM**

**DAY ONE USE IN ASSEMBLY LINE**

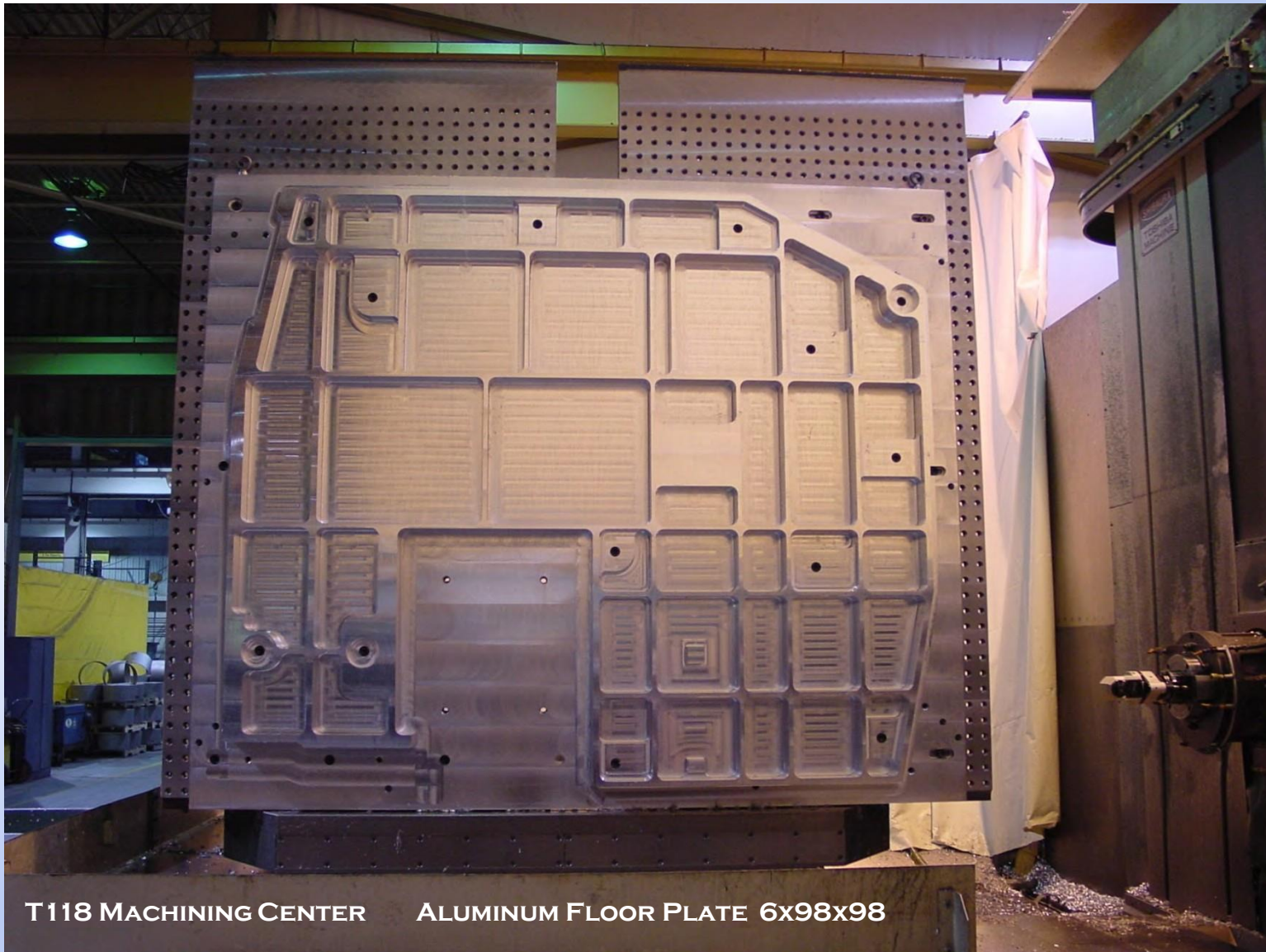


TOSHIBA BORING MILL  
118" LONG X 90" HIGH



**D&G**  
MACHINE  
MADE IN THE U.S.A.

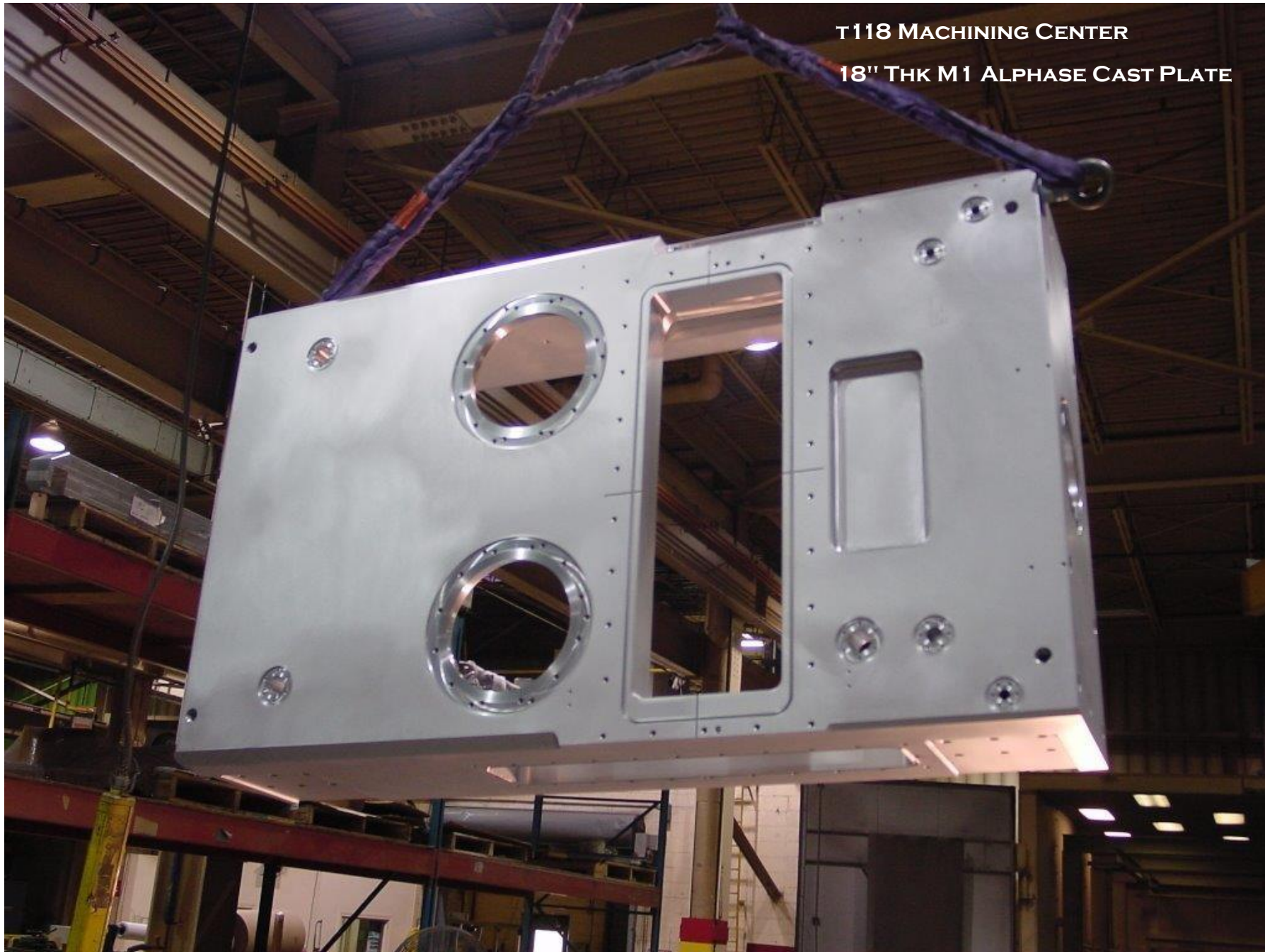




T118 MACHINING CENTER ALUMINUM FLOOR PLATE 6X98X98

T118 MACHINING CENTER

18" THK M1 ALPHASE CAST PLATE





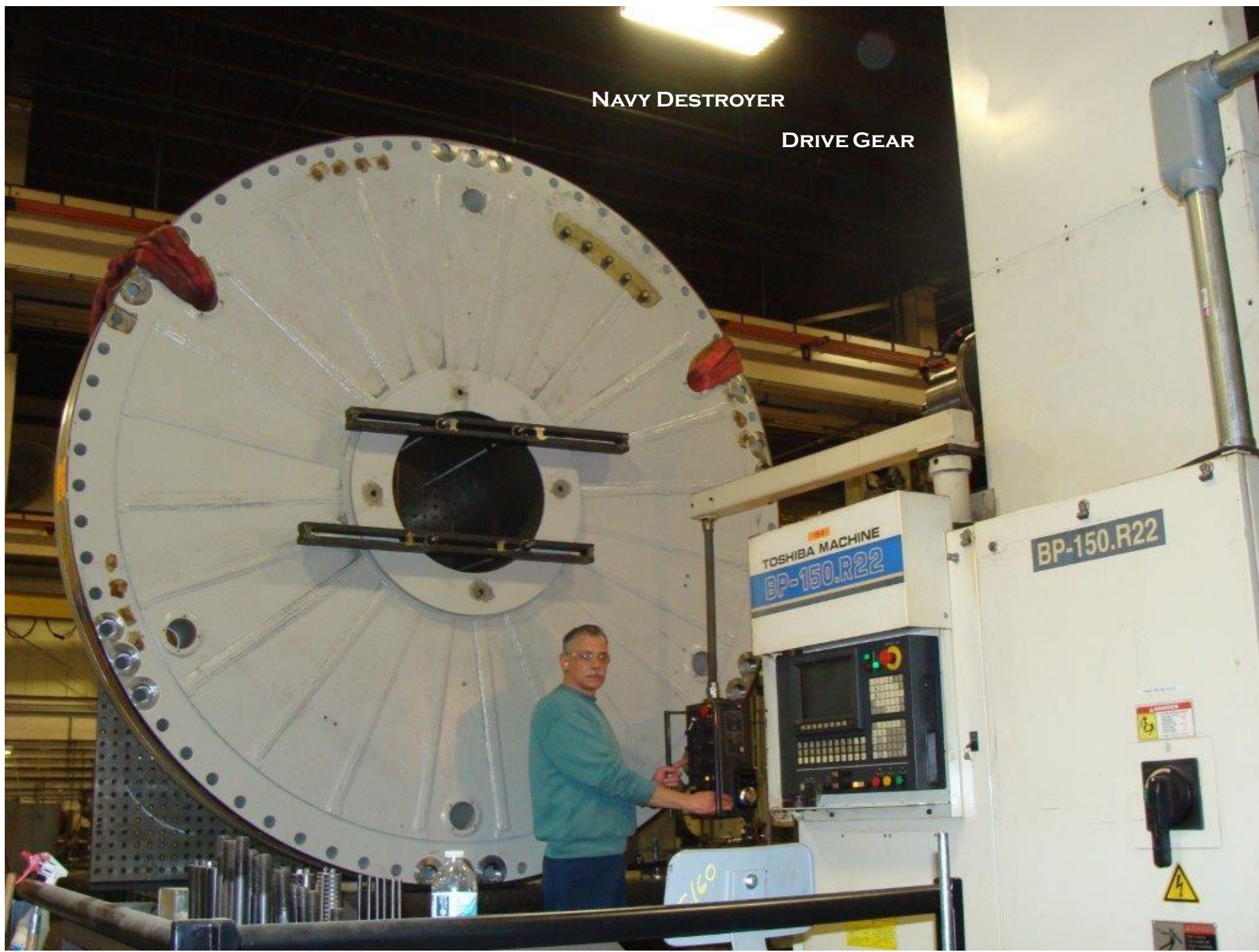


**TOSHIBA MILLING CENTER 160" LONG X 100" HIGH X 60"**



NAVY DESTROYER

DRIVE GEAR







**ALUMINUM : HORSE SHOE**  
**THIN METAL PROFILE**





**PRECISION ALUMINUM MACHINING  
FROM SOLID 6061 T6 PLATE**



**MAIN ROCKET : PRESSURE RELIEF FLAPS**





DO NOT ATTEMPT  
TO OPEN OR APPLY  
FORCE TO COVER

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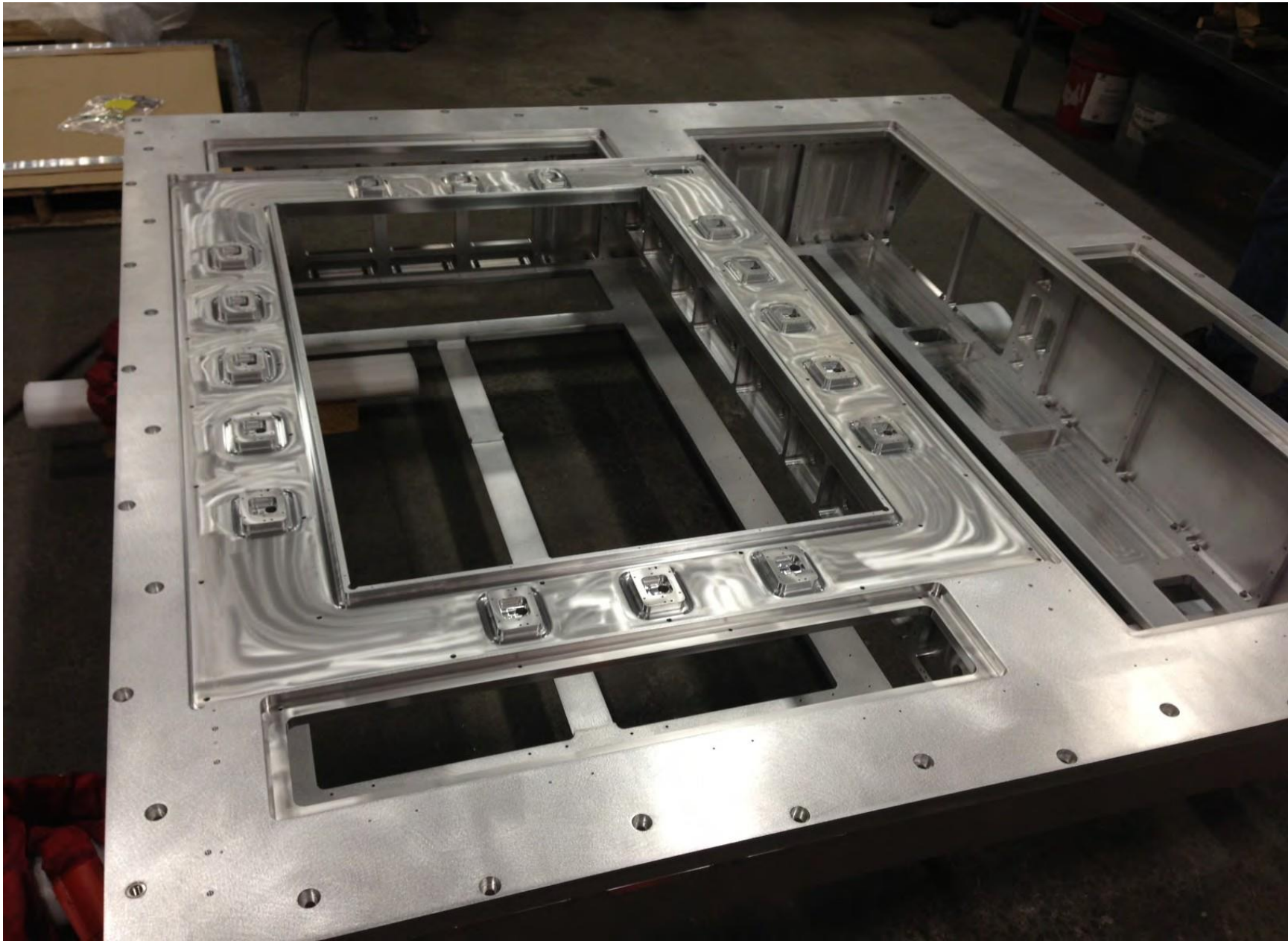
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ALUMINUM MOLD

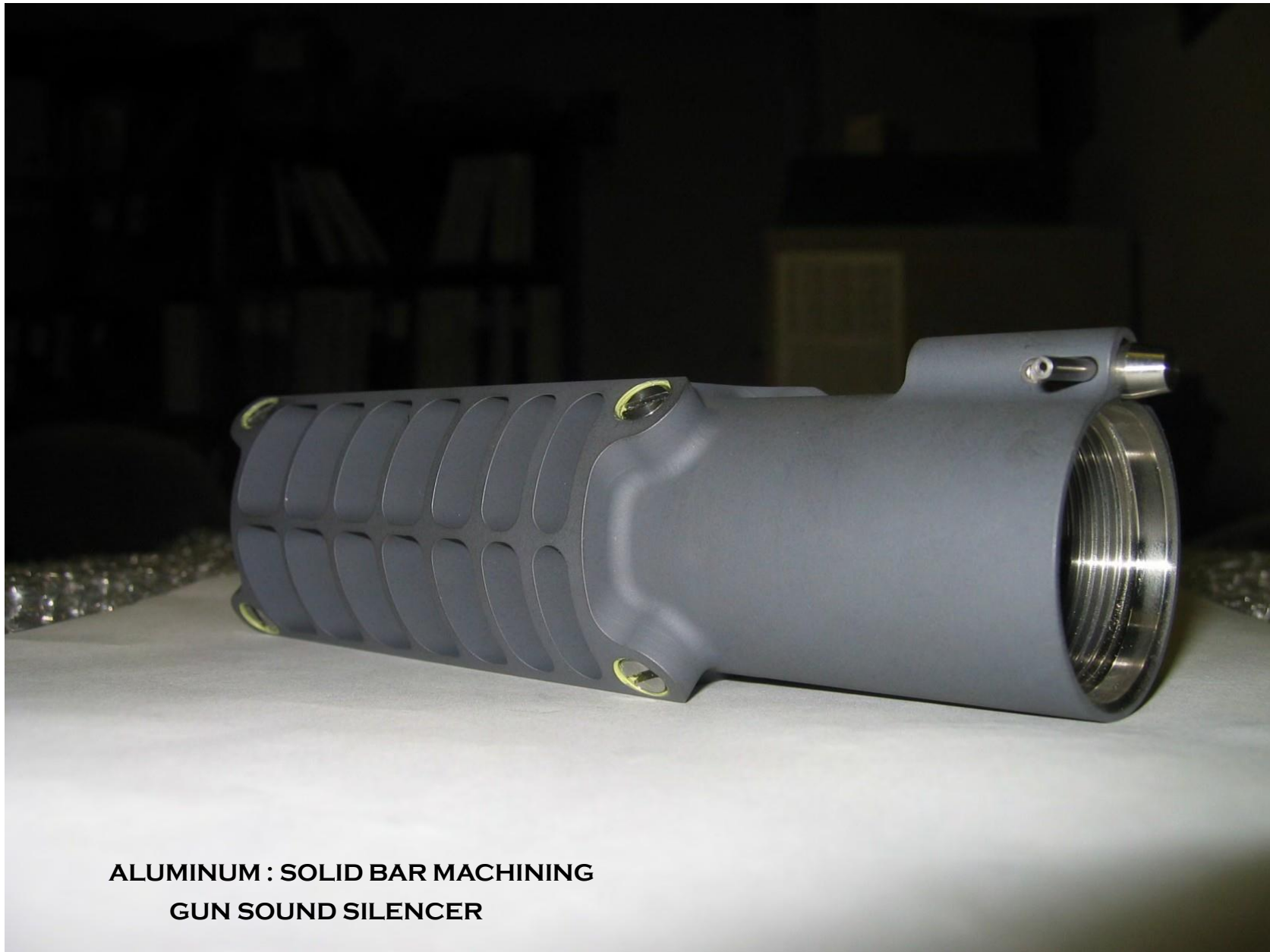
3" X 36" X 144"







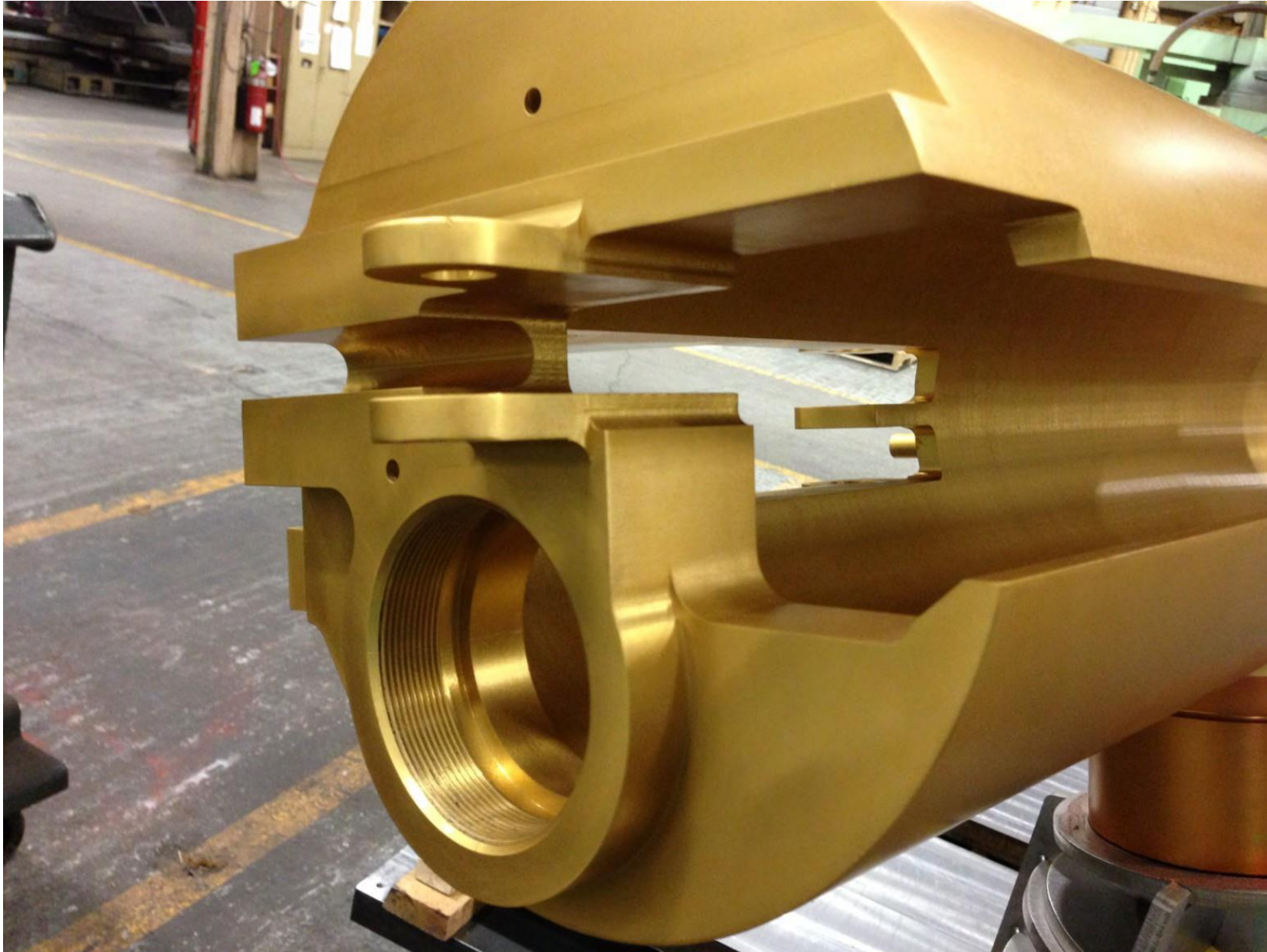
ALUMINUM - RADAR CABINET : BOLTED ASSEMBLY



**ALUMINUM : SOLID BAR MACHINING  
GUN SOUND SILENCER**



## CARTRIDGE EJECTOR TRAY





**FABRICATED STEEL : 48 " DIA BEARING HOUSING**





OIL & GAS IMPELLAR



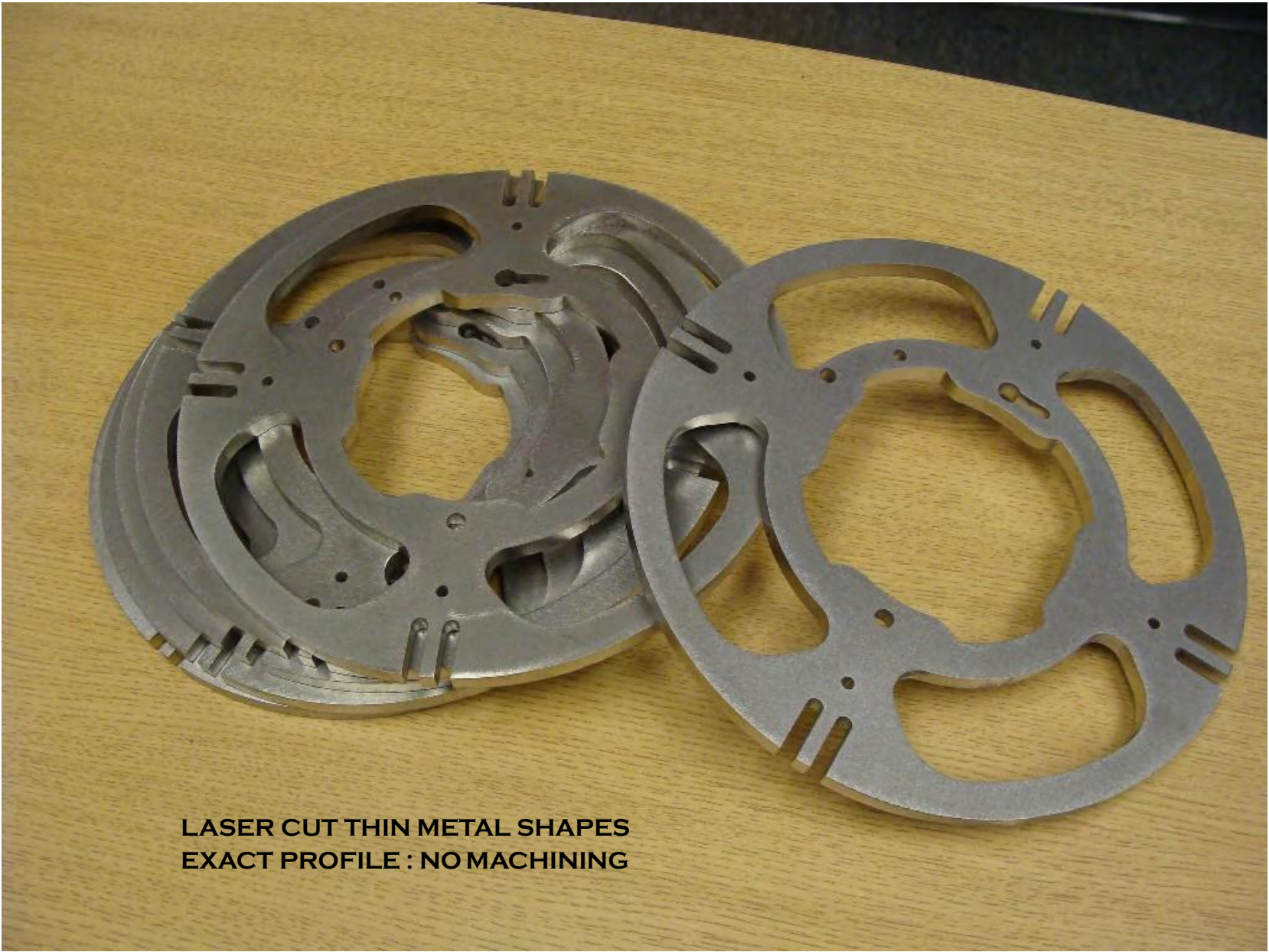
TITANIUM LINKS

HELICPOTER GUN MOUNTS



**SEMICONDUCTOR  
VACUUM VESSEL  
HELIARC FUSION WELDING  
PRECISION MACHINING**





**LASER CUT THIN METAL SHAPES  
EXACT PROFILE : NO MACHINING**





**FABRICATION & MACHINING & ASSEMBLY  
PROJECTILE ALIGNMENT DEVICE :**



**JET ENGINE ASSEMBLY FIXTURE**





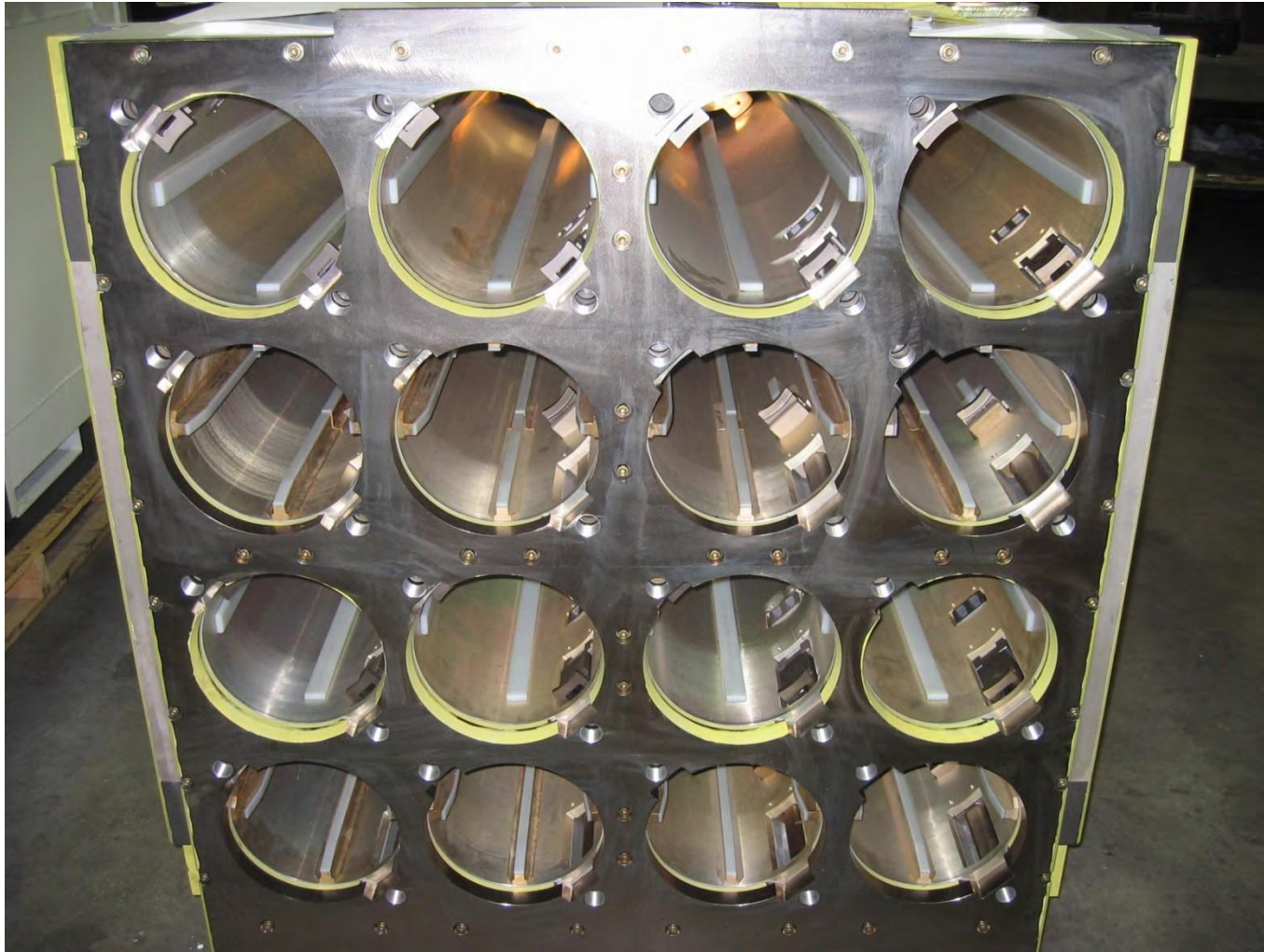
**ELECTRICAL HOUSING  
POWER CONSOLE  
NEW YORK POWER  
MOHAWK RIVER**

**CABINET DOORS  
SHEET METAL PRODUCTS**





**DDG ZUMWALT NAVY DESTROYER  
ADVANCED GUN SYSTEM  
MAGAZINE MACHINING & ASSEMBLY**





**SPUN CAST ALUMINUM TUBES  
150MM PROJECTILE HOLDERS**



**FINAL STORAGE BOX ASSEMBLY  
8 PROJECTILES 8 PROPELLANTS**

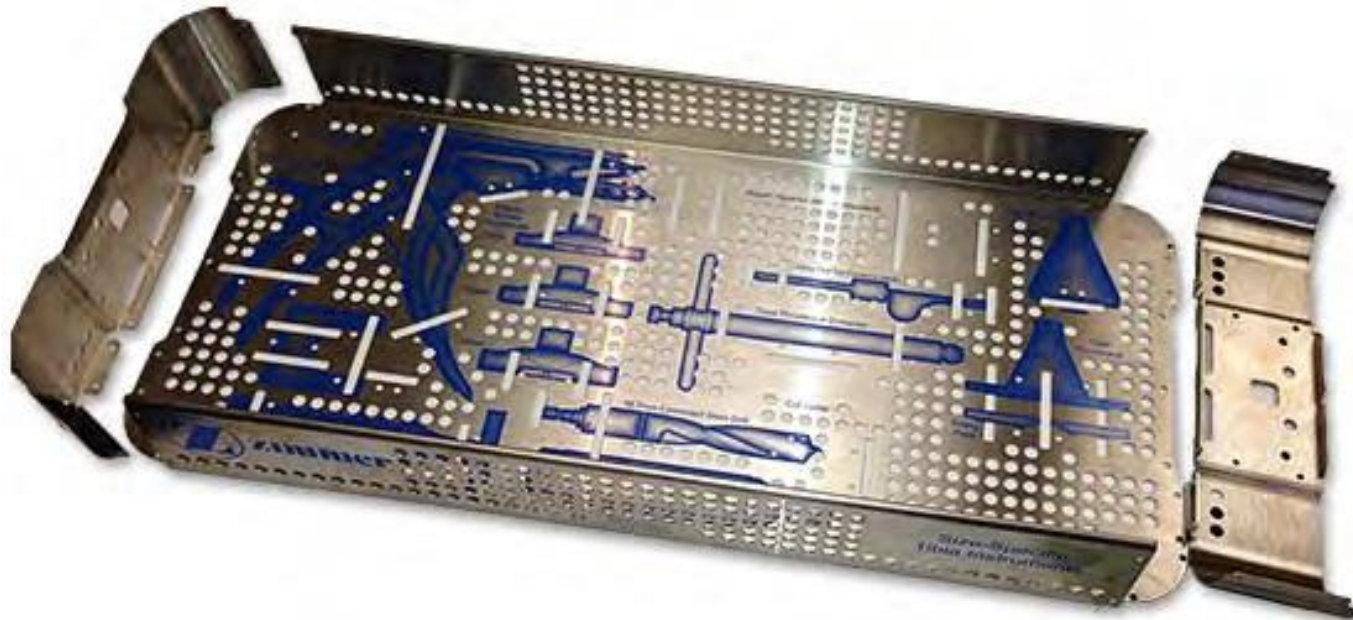




12 TON FRAME FABRICATION : 1000 LBS WELD WIRE



**OPERATING ROOM MEDICAL TRAY**  
**STAINLESS STEEL**



LASER CUT & BEND





**SHEET METAL CLIP**

**STAINLESS STEEL**



# The Perfect Fit.....



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

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

