D&G Machine Products Inc.
A certified ISO 9001:2015 + AS9100D Company + ITAR compliant
Classified as a Small Business

Established 1967

www.dgmachine.com
D&G by the Sea
Portland Maine

Portland International Jetport
PWM
DELTA / US AIR / SOUTHWEST
Aerospace Presentation

D&G Supports United Launch Alliance Programs
Vandenberg Air Force Base, California
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

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

- **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
- 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"
UNITED LAUNCH ALLIANCE
THIN WALL ALUMINUM
ROCKET FUEL TANK 64" Dia
SPACER CENTERING RING
CMM : 59" X 118" X 39.4"
Magnum 1000
5 Axis
7 Pallet
6000 rpm
45 HP
Vector Probing
Work Envelope: 57"x72"x61"
Bombardier
CRJ Series
Entry Door Frame
Mag1000 Machining
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
T1 18 Machining Center
18'' Thk M1 Alphase Cast Plate
TOSHIBA Milling Center 160" Long x 100" High x 60"
Gantry Mill
5 axis Milling Head
92" Wide x 148" Long
20,000 Rpm
ALUMINUM: HORSE SHOE
THIN METAL PROFILE
Precision Aluminum Machining
from solid 6061T6 Plate
UNITED LAUNCH ALLIANCE

MAIN ROCKET : PRESSURE RELIEF FLAPS
FABRICATED STEEL : 48" DIA BEARING HOUSING
TITANIUM LINKS

HELICPOTER GUN MOUNTS
SEMICONDUCTOR
VACUUM VESSEL
HELIARC FUSSION WELDING
PRECISION MACHINING
LASER CUT THIN METAL SHAPES
EXACT PROFILE : NO MACHINING
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.....