

Gun Systems

capabilities



General Dynamics Armament and Technical Products (GDATP) offers design, manufacture, and assembly of ordnance-related products. Product design and program management is carried out at the Burlington Technology Center in Vermont, while the Saco Operations has the expertise, processes, materials, testing facilities, and quality systems in place to go from solid model to completed product. GDATP operates the 450,000 square foot single- and multi-barrel weapon systems production and test facility in southern Maine's coastal town of Saco.

Our technologies and capabilities combine to offer our customer's high-quality, fast-paced turnaround and reduced costs.

Machining and manufacturing:

- Broaching
- Chrome Plating
- Computerized Coordinate Measuring
- Deep Hole (gun) Drilling
- Dimensional Verification
- Electrical Discharge Machining
- Engineering (hard) Chrome Plating
- Finishing
- Grinding
- Heat Treating
- Hot and Cold Rotary Forging
- Metal Removal
- Non-destructive Testing
- NC Broaching
- Parts Inspection
- Phosphate Coating
- Precision Metal Machining
- Welding

Testing:

- Static Motor Test Facility
- On-Site LAT Testing
- NTS Test Facility Co-Located

Explosive storage:

- Category I, and II explosive storage available

Tools:

- CMM, Zeiss
- CNC Creep Feed Grinders
- CNC Lathes
- Horizontal CNC Machine Centers
- Sink-type EDM's
- Vertical CNC Machine Centers
- Wire-type EDM's

Quality strengths:

- EHS OSHSAS 18001/14001 Certified
- ISO 9001:2000
- Product Integrity
- Quality, Environment & Safety Compliant
- Trained and certified technicians

Broad range support capabilities:

- Expertise in Medium Caliber Machine Guns
- Financial Management
- Design Engineering
- CAD/CAM Systems for Product Design, NC Programming, Tool and Plant Layout
- Structural and Multi-body Dynamic Analysis
- Configuration Management and Control
- Quality Engineering

- Supplier Management
- Purchasing
- Production and Inventory Control
- Unique Identification
- Radio Frequency Identification
- Tool Room
- Material and Chemical Testing and Analysis
- Metallurgical Laboratory
- Manufacturing/Industrial Engineering
- Gauge Calibration with Computerized Recall
- Instrument Calibration
- Statistical Process Control
- Packaging Design and Construction Services
- Storage of Customer Property
- Customer Property Repair and Refurbishment
- Demil Procedures: Small Arms Components
- 11,500-acre On-site Weapon Firing Ranges
- On-Site DCMDE Government Oversight

GENERAL DYNAMICS Armament and Technical Products

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