

# CAPABILITIES - DEFENSE



Chapco Inc., is a U.S. Based precision manufacturing partner, providing advanced sheet metal fabrication, machining, and complex assembly solutions to the defense, aerospace, and high-reliability industrial sectors. With over 60 years of manufacturing experience, Chapco supports mission-critical programs that demand precision, quality, and reliable supply chains.

Our vertically integrated manufacturing model supports programs from prototype through full-rate production, delivering high-reliability components and assemblies for defense systems and aerospace platforms.

## Defense Manufacturing Expertise:

- Electronic chassis and enclosures
- Radar and communication system housings
- Military vehicle structural components
- Naval system enclosures and brackets
- Ground system equipment cabinets
- Precision structural assemblies

## Precision Sheet Metal - complex geometries:

- Fiber laser cutting, punching, forming automated centers
- Precision press-brake forming and automated bend centers
- Lights-out fabrication for high volume and rapid scaling
- Hardware insertion/pemming
- CNC and conventional milling, turning, and tapping
- Tight tolerance machined components
- Hybrid fabricated & machined assemblies

## Welding & Finishing - complex weldments:

- MIG, TIG & Spot welding
- Complex welded assemblies
- Multi-material welding capacity
- Ground and cosmetic weld finishing
- Stainless Steel, aluminum, carbon steel, and specialty alloys
- Finishing: orbital sanding, cosmetic grinding, vibratory tumble, deburring, time save.

## Industries Served:

- Defense, Naval & Submersible
- Military Ground Systems
- Aerospace support hardware and non-flight-critical structures
- Medical Equipment & Devices
- Original Equipment Manufacturers
- Industrial Automation
- Advanced Electronics
- HVAC, Fire Safety & Prevention



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## Snapshot, Registrations & Certifications

• CAGE:	85006
• SAM UEI:	VUA5GYK66K98
• DUNS:	122208978
• NAICS:	332322 Sheet Metal Work Manufacturing
• SIC:	4333 Sheet Metal Work
• ISO 9001:2015:	270447
• Founded:	1964
• Website:	chapcoinc.com
• Capacity:	150,000 sq ft, 60 staff, 2 shifts
• Head Office:	12 Bridge St., Deep River, CT 06417
• Phone:	+1.860.526.9535
• President & CEO:	Brian Weinstein x102
• COO:	Larry Feinn x 226

## Testing & Quality Control

\* Chapco Inc. maintains a Quality Management System to promote continuous improvement in all areas of its business operations. We are committed to exceed our customers' expectations by manufacturing high quality and competitively priced products delivered on time. Chapco Inc. is dedicated to establishing, developing, and maintaining partnerships with our employees, vendors, and customers, guided by integrity, honesty, and respect.

**Chapco's Quality Management System is certified to ISO9001:2015**

## Quality Documents

- ITAR - DDTC
- Certificate of Conformance
- First Article Inspection
- Material Certifications
- Laser QC scan
- Coordinate Measuring (CMM)

## Scan for website



# Forming, Machining, Welding & Finishing

## Precision Sheet Metal - complex geometries

- Fiber laser cutting, punching, forming with Trumpf Trumatic 6000 Fiber Laser and Trumpf 3030 TruLaser Fiber
- Precision press-brake forming and automated bend centers
- Lights-out fabrication for high volume and rapid scaling
- Hardware insertion/pemming
- CNC and conventional milling, turning, and tapping
- Tight tolerance machined components
- Hybrid fabricated & machined assemblies



## CNC Press Brake Bending

- Precision forming with five LVD and Accurpress CNC pressbrakes
- 30 and 60 ton power presses
- Trumpf TruBend Cell 7000
- Forming capacity up to 175 tons and 12' length

## Complex Weldments

- MIG, TIG & Spot/Resistance welding
- Complex welded assemblies
- Multi-material welding capacity
- Ground and cosmetic weld finishing
- Stainless Steel, aluminum, carbon steel, and specialty alloys

## Sheet Metal Surface Finishes

- Standard mill
- Orbital sanded
- Stainless steel polished
- Cosmetic grinding
- Vibratory tumble
- Deburring
- Time save

## High-Accuracy Multi-Axis Machining

- Vertical machining center capabilities
- Supports precision milling, drilling, and tapping
- Designed for repeatable tolerances
- Maintains controlled dimensional accuracy for consistent part quality

## CNC Turning & Lathe Operations

- Precision turning
- Machining of cylindrical components
- Threaded features
- Integrates with fabrication & Assembly programs

## Hardware Insertion

- PEM standard fasteners
- Custom hardware
- PEMS with auto-feed solution
- POP, Spin, Rivets, and Riv-Nuts

## Sheet Metal Coating & Plating\*

- Powder coat/e coat
- Hot-dipped galvanized
- Black Oxide
- Anodized (clear/all colors)
- Chromate conversion (clear yellow)
- Passivation (clear)
- Tin and silver plating

## Part Identification

- Silk screen\*
- Laser etching
- Metal stamping
- Ink stamping\*
- Dot preen\*
- Vibratory etch

## Additional turn-key services\*

- Engineering and Product Development
- Contract Manufacturing & Assembly
- Solidworks Modeling and Prototyping
- Reverse Engineering Capabilities
- Value Add Engineering
- Design Consulting
- Certification Facilitation

**Please contact us for a more detailed discussion about geometries and tolerances for any service or specific work center**

\* services provided by our collaborative companies or trusted vendors.