

## Metal Fabrication

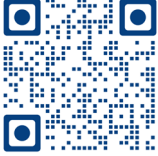
- Laser cutting/ punching
- Bending
- Hardware insertion/pemming
- CNC and conventional milling, turning, and tapping
- Spot welding (inc. aluminum), MIG/TIG welding
- Grinding & Finishing

## What Differentiates Us

- Solution focused
- Turnkey manufacturing operation
- Seasoned management team
- Multi-vendor relationships to control cost and limit supply chain disruptions
- Design for Manufacture and Assembly
- Ability to scale rapidly to your needs with multiple automated work centers.



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.

CODES	ABOUT	FACILITIES	ESTIMATING, LEAD TIMES, and LOGISTICS	FOR RFQs
NAICS 332322 SIC 3444 CAGE 85006 DUNS 122208978 VUA5GYK66K98	Founded 1964  CEO: Brian Weinstein  COO: Larry Feinn	70,000 ft <sup>2</sup> 3-site facilities  80 staff, two shifts plus 24/7 lights-out operations	SOLIDWORKS preferred - accepted file formats are: PDF, DWG, DXS, STP  Pick up & delivery  Tooling & fixturing  High volume & rapid scaling with 24/7 automation	Scan for RFQ 



CNC AUTOMATED WORK CENTERS	MACHINING	CNC PRESS BRAKES	POWER PRESSES	WELDING	GRINDING & CUTTING
Trumpft 3030 TruLaser Fiber	Conventional lathes & mills	7 Press brakes ≥ 175 ton ≥ 12' long Max	30 Tons	MIG – all metals	Cosmetic grinding
Trumpf 6000 Fiber Laser/Punch	CNC turning & Milling		60 Tons	TIG – all metals	Band & cold saws
Trumpf 7000 TruBend Cell	Multi-head tapping			Spot – all metals inc. aluminum	Surface grinding

MATERIAL	SPECIFICATION	MINIMUM THICKNESS	MAXIMUM THICKNESS	MAXIMUM SHEET SIZE	MINIMUM Thickness
Aluminum	All types	0.005"	.500"	60" x 120"	0.002"
Steel	Hot and cold rolled	0.002"	.625"		
Stainless Steel	All types in all finishes	0.002"	.500"		
Pre-plated	Galvanized and galvanized steel	26 gauge	8 gauge		
Brass	All types/All alloys	0.002"	0.188"		
Copper	101-110, 120	0.002"	0.188"		

SURFACE FINISH	HARDWARE INSERTION	COATING & PLATING	PART IDENTIFICATION	ASSEMBLY
Standard mill	PEM standard fasteners	Powder coat/E coat*	Silk screening*	Hardware
Orbital sanded		Hot dipped galvanized*	Laser etching	Mechanical*
Stainless steel polished	Custom hardware available	Black Oxide*	Metal stamping	Electrical*
Cosmetic grinding		Anodize (clear/all colors)*	Ink Stamping	Electro-mechanical*
Vibratory tumble	PEMs with auto-feed capabilities	Chromate conversion (clear/yellow)*	Dot Peen*	Hydraulic*
Deburring		Passivation (clear)*	Vibratory Etch	Pneumatic*
Time save	POP, Spin, Rivets & Riv-Nuts	Zinc and Nickel coating*		Electro-magnetic*
		Tin and silver plating*		

PART GEOMETRY	
Complex features	Knock-outs, extrusions, integrated hinges, formed flanges, 2.5" louvers, half sheers, beading, tapping, CSK, C-Bore, engraving, and roll forming.
Maxed formed features	Custom radius tooling available up to 3"
Internal form radii	0.015", 0.030", 0.060", 0.090", 0.120", 0.188", 0.250", 0.375", 0.500", 1.00"
Hems	Depends on material thickness – standard up to a maximum length of 10'
Punched features standard	Max. height = 2x material thickness. Custom tooling where applicable
Rolled features	Max. material thickness 16 gauge Maximum blank width 45" Minimum radius ≥ 3.5"
Broken edges	Deburring/vibratory tumble

	TOLERANCE <11ga	TOLERANCE >11ga
Offsets	(+/-) 0.5°	0.5°
Hole Diameter	(+/-) 0.0023"	+ 0.01"
Edge/Edge and Hole/ Hole (Hardware to edge/ hole and hardware to hardware)	(+/-) 0.003"	.005"
Bend/Edge	(+/-) 0.003"	.010"
Bend/Hole, Hardware/ Bend	(+/-) 0.010"	.010"
Features separated by 2 bends	(+/-) 0.020"	.030"

PDFM & QUALITY DOCS	OTHER TURNKEY* SERVICES
For production: CAD preferred - accepted file formats are: PDF, DWG, DXS, STP, and SOLIDWORKS	Engineering concepts*
	DFMA & Prototyping
Quality Documents: C of C; First article inspection (FAI); Material certifications	Certification facilitation & coordination UL, ETL, NSF, NAMA*
Laser QC scan	Vast partner & vendor database
Coordinate Measuring (CMM)	PLC Programming & Integrations
	Packaging, Inventory, Logistics*

# Welding

We perform MIG, TIG, and resistance welding. We will advise which is best for your project or whether alternatives, such as forming, may be a better option.

Scan the code for a current list of our weld certifications.



American Welding Society  
CONNECTICUT SECTION



10 Denlar Drive Chester, CT 06412  
860-526-9535 . sales@chapcoinc.com

CHAPCO 860.526.9535 / CHAPCOINC.COM

\* Chapco is part of a collaborative group of companies that partner to ensure that every customer can receive a turn-key service. Some of these services are co-located at our Inspiration Ln. location, others are provided by trusted partners that we have worked with for many years.