

# CAPABILITIES OVERVIEW

Since 1944, Fairchild Auto-Mated Parts has been trusted to manufacture 15,000+ unique precision-machined parts for the Aerospace, Defense, Fluid/Air Controls, Oil & Gas, Measuring Instrumentation, Electronics, and Medical industries.

## FAIRCHILD IS COMMITTED TO PROVIDING EXCEPTIONAL SERVICE

Comprehensive Quotes | Design Assistance | Short Lead Times | On-Time Delivery | Exceptional Quality

### CNC Swiss & Lathe Operations:

Our Swiss & lathe department can process bar stock up to 2.00" diameter & chuck parts up to 6.50" diameter, and machine part lengths up to 9.00" all while holding tolerances to  $\pm 0.001$ ".

### CNC Milling Operations:

Our milling department can machine blanks within a 7.00" x 7.00" x 7.00" envelope to produce complex parts that hold tolerances to  $\pm 0.001$ ".

We produce runs from 10 up to 100,000 pieces utilizing materials such as:

Aluminum, Brass, Bronze, Copper, Nickel, Steel, Stainless Steel, Titanium, Plastics

## PORTFOLIO OF CUSTOM PARTS

- Fittings, adapters, housings, manifolds
- Retainers, shells/bodies, valve components, couplers
- Sleeves, guides, shafts, collars, washers, spacers
- Screws, nuts, inserts, caps, buttons grips

And many other complicated designs.

## VALUE-ADDED SERVICES

We utilize **trusted partners** for additional services that are compliant with a range of regulations (NADCAP, RoHS, REACH, DFARS, ITAR):

- Plating, Passivating, Heat Treating
- Bending, Staking, Flattening
- Grinding, Broaching
- Testing and Particle Inspection
- Laser Marking
- Anodizing
- Electro-Polishing
- And more



## CERTIFICATIONS/REGISTRATIONS



- CMMC Compliant
  - SAM registered
  - JCP Certified
  - SBE certified
- (UEI: XT3WMS96LFR9; CAGE: 9S3L6)

Request a quote today and send your engineering drawings to [sales@fairchildparts.com](mailto:sales@fairchildparts.com)



**FAIRCHILD**  
AUTO-MATED PARTS

10 White Street | Winsted, CT 06098  
P (860) 379-2725 | F (860) 379-5340

# MACHINING TECHNOLOGIES

## FACILITY

15,000+ sq. ft. facility comprised of manufacturing, engineering, office, warehouse, shipping & receiving, parts cleaning, and quality assurance department

## SYSTEMS

- Proficient in the latest SolidWorks and Mastercam 3D CAD/CAM software
- Fully integrated JobBOSS2 Enterprise Resource Planning and Management tool
- GAGetrak Calibration Management Software

## MACHINING CENTERS

### 7 x Citizen CNC Swiss turning centers

3/32" to 1-1/4" bar capacity, C-Axis, live tooling, equipped with automatic magazine bar feeders and high-pressure coolant

### Miyano BNX-42SY CNC 5-Axis Turning Center

1-5/8" bar capacity, Y & C-Axis, sub spindle, live tooling, LNS magazine bar feeder and high-pressure coolant

### Miyano BNA-42S CNC Lathe

1-5/8" bar capacity, with sub spindle, live tooling, and high-pressure coolant

### 2 x Daewoo/Doosan CNC turning centers 12 station turret

2" bar capacity, 6.5" diameter turning capacity, C-Axis, live tooling and LNS magazine bar feeders

### 5 x OmniTurn CNC Gang Tool Lathes

1-1/16" bar capacity, 4" chuck capacity, C-axis, and live tooling

### 2 x FANUC RoboDrill CNC vertical machining centers

Rotary indexing fixtures, Lassy and Kurt vises

### 2 x Brother M140X1 & M140X2 4+1 Axis vertical machining and turning centers

MOJO 3D printer for prototyping products

## KEY QUALITY INSTRUMENTS

- S-T Industries high-definition video inspection system
- Keyence image dimension measuring system
- 2 x Mitutoyo SurfTest 211 surface roughness tester
- Deltronic and Dorsey Optical Comparators
- Rockwell hardness tester

## SECONDARY PROCESSES

- 3 x Harig 6" x 12" surface grinder
- Boyar-Schultz surface grinder
- Famco Power Press
- Wilton 10" x 16" horizontal cut-off band saw & Makita circular cut-off saw
- 2 x Sweco vibratory finishing machines with tumbling barrels

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