

Equipment and Capabilities

Facility

Shop Area: 16,930 square feet

Storage Area: 1,430 square feet

Office Area: 715 square feet

Attributes

Inspection Program per Mil-I-45208A

Precision Prototype Machining

MASTERCAM – Programming System

CNC Milling, Turning and Wire EDM

Entire Plant – Temperature Controlled

CNC Horizontal Machining Centers

(3) Kitamura Mycenter H400 Horizontal

24" x 20" x 20" XYZ Travel, 16" Pallets, 10,000 RPM Spindle,
100 Tool ATC, Full 4th Axis

CNC Vertical Machining Centers

(1) Kitamura Jigcenter - 7

28" x 44" x 23" XYZ Travel, 6,000 RPM Spindle, 20 Tool ATC,
Full 4th Axis

(1) Kitamura Mycenter-3X

18" x 30" x 18" XYZ Travel, 10,000 RPM Spindle, 20 Tool ATC

(1) Kitamura Mycenter -3X

18" x 30" x 18" XYZ Travel, Automatic Pallet Changer, 10,000 RPM Spindle,
24 Tool ATC

(4) Kitamura Mycenter -1

14" x 20" x 16" XYZ Travel, 13,000 RPM Spindle, 20 Tool ATC

(1) Mazak V515

21" x 41" x 24" XYZ Travel, Automatic Pallet Changer, 6,000 RPM Spindle,
60 Tool ATC, Pallet Size: 22" x 51"

(1) Takisawa MAC-V5

19" x 36" x 24" XYZ Travel, 4,000 RPM Spindle, 20 Tool ATC

CNC Lathes

(1)Mori-Seiki SL-25M

Control: Fanuc Moric-T6F, Live Tooling, 4,000 RPM Spindle, 13" Turning Capacity, 2.80" Spindle Bore, 12 Station Turret, Bar Puller, Parts Catcher, Auto Tool Preset, 3 Jaw Chuck, 3J collet chuck

(1)Mori-Seiki SL3

Control: Fanuc 10TEF, 4,000 RPM Spindle, 13" Turning Capacity, 2.8" Spindle Bore, 12 Station Turret, 3 Jaw Chuck, 3J Collet Chuck

Wire EDM

(1) Charmilles Robofil 240 (submersible)

13-3/4" x 8-5/8" x 8-5/8" XYZ Travel

CNC Programming System

Mastercam Drafting and Design, Electronic Data Transfer (IGES & DXF), Five Networked Computers

Manual Milling Machines

(2) Bridgeport Vertical Series 1

9" x 48" Table, Sony Digital Readout

(1) DeHoff Horizontal Twin Head Mill

Engine Lathe

(1) Clausing Colchester with Sony Digitals - 15" Swing x 60" Bed

Grinders

Okamoto Surface Grinder 12" x 24"

Cincinnati Tool & Cutter Grinder 10" x 44"

Belt Sanders

Saws

DoAll Horizontal Band – C305NC (NC Automatic) 12” x 16”
DoAll Horizontal Band – Auto Index 12” x 16”
DoAll Vertical Bandsaw Hydraulic Feed 36” Throat
DoAll Vertical Bandsaw Hydraulic Feed 20” Throat

Major Inspection Equipment

Brown & Sharpe Global Status 7107 CMM
Brown & Sharpe Microval CMM
Optical Gaging Products Optical Comparator 14”
Trimos Electronic Digital Height Gage 24”
Trimos Digital Height Gage 24”
Rockwell Hardness Tester

Finishing Equipment

(3) 10 cubic ft. Vibratory bowls
(4) 3 cubic ft. vibratory bowl
(1) Blast-It-All Blasting Cabinet 36” x 48”
Electric Heat Treat Furnace

Finishing

Metalast TCP-HF Clear Chem Film finishing dip tanks for aluminum