

I - Machining Centers

4-HAAS Super MiniMill 16" x 12" x 10" axis capability 10 Tool ATC
 3-HAAS Super MiniMill 2 20" x 15" x 12" axis capability 20 Tool ATC
 7-HAAS VM-2 MOLDBAKING 3D 20" x 20" x 30" 24 Tool ATC
 - With 4th/5th Axis rotary and indexing capabilities
 2-HAAS VM-2 MOLDBAKING 3D 20" x 20" x 30" 50 Tool ATC
 -15H rpm spindle and through spindle coolant
 1-HAAS VM-3 MOLDBAKING 3D 26" x 26" x 40" 50 Tool ATC
 -15H rpm spindle and through spindle coolant
 1-HAAS EC-300 Horizontal Pallet Changer 40 Tool ATC
 1-HAAS VF-5SS 50" x 26" x 25" 30 Tool ATC and through spindle coolant
 1-HAAS VF-5XT 60" x 26" x 25" 30 Tool ATC and through spindle coolant
 1-OKUMA MCV-4020 32 tool CNC Milling Center

Accessories

10-HAAS Indexers
 Assorted Automatic & Manual Indexers
 Vacuum Pump & Fixtures

Programming Systems

CIMCO DNC MAX
 Geo-Math Software, DSI Reader-Punch
 SurfCam--- 5 axis programming with NURBS / AutoCad / Anvil Parts Maker Programming System
 Delcam---5axis programming

II - Controlled Environment Machining (UHMW/Peek)

1-HAAS VM-2 MOLDBAKING 3D 20"x20"x30" 24 Tool ATC- with 4th / 5th axis rotary and indexing capabilities
 1-Hardinge Talent 8/52 2" spindle capacity
 2-HAAS CL-10 Chucker Style Lathe, 1.25" spindle capacity

III-Mill/Turn

2-Okuma Multus-B300-w 22.83 x 6.300 x 36.800
 3-Willemin 408 MT 7 axis 9.840 x 7.875 x 11.810

IV- Turning Centers

7-Hardinge Quest GT27SP 1-5/8" capacity 1-Hardinge Talent 6/45 1-5/8" capacity
 2-Hardinge Talent 8/52 2" spindle capacity
 1-Okuma-Crown Big Bore 3" spindle capacity 12 station turret
 1-OKUMA LT200 Twin Spindle, twin turret, 2-1/2" spindle capacity
 2-OKUMA CAPTAIN LC-370 2 axis 12 station turret 2" spindle capacity
 1-OKUMA CAPTAIN LC-370 2 axis 12 station turret 2 ¼" spindle capacity
 1-OKUMA LB 3000EX Big Bore 24 station turret 2 ¾" spindle capacity
 1-OKUMA LB 4000EX Big Bore 24 station turret 3 ½" spindle capacity
 1-OKUMA L 3000 E Big Bore 12 station turret 3.15"

V - Turning

4-Hardinge Model HLV-H Precision Lathe, 9"
1-Clark 24" X 60" Engine Lathe

Accessories

True-Trace Tracing Attachments
Northfield Air Chucks
Other Assorted Chucks
Tool Post Grinders

VI - Milling

2-Sharp Vertical Millers with Digital Readouts, Power Feeds.
1-Sharp Vertical Miller with Accurite Retrofit CNC
1-Bridgeport Vertical Miller with Prototrak CNC controller

Accessories

Nikken Rotary Table
Indexing Heads
Slotting Attachments
Right Angle Attachments
Boring Heads
Chucks
Vises
Angle Plates, etc.

VII - Drilling & Tapping

1-Single Spindle Drill Presses
1-R&S Drill Sharpener

VIII - Grinding

1-Sunnen Hone with Automatic Sizing
1-Cincinnati Tool Grinder with attachments
1-Sharp surface Grinder 8"x 20"

IX - EDM

1-Agie Attack 2S
1-Agie Charmilles Cut E350

X - Lasers

2-Trumpf Vector Mark VM3 Trumpf Laser marker
1-TLSI Himark 400 70W NDYAC Laser Engraver/marker
1-Alase Technologies CO2 Laser Marker with XYZ Table
1-Tykma EMS 400 4 axis laser marker
1-Miyachi 150w 5 axis CNC Laser Welder
1-Miyachi 50w 4 axis CNC Laser Welder
2-Miyachi 70w 3 axis CNC Laser Welders
1-Keyence 3-Axis Laser Marker

XI – Cleanroom, Packaging, and Other Equipment

1-BELCO Heat Sealer 2020
1-SENCORP Heat Sealer, Model No. 12PV/2
1-ALLOYD Heat Sealer
1-FUJI Impulse Pouch Sealer MS-350-NP
1-Grieve HA-850 Electric Stress Relieving Oven, Certified Accuracy
1-Do-all Model C1213 Automatic Horizontal Cut Off Saw
1-Grob Band Saw
2-U.S. Double End Buffer-Polisher
1-Trinco Dry Blast Unit
1-Lectroetch Model #V-10A Etching Unit
1-Black Diamond Drill Grinder
1-Hoffman Tool Sharpener (Diamond Wheel)
1-Glendo Accu-Finish Tool Sharpener (Diamond Wheel)
Various-Bench Tool Grinders
1-Rockwell 1" Belt Sander
2-Pencil Blasters
3-Sand Blasters 1-Table saw 8"
3-Double Buffers
1-Branson LED 1620 Ultrasonic vapor Degreaser
1-Baron Blakeslee Still
1-Wilton Belt Sander with 12" disc
1-Kalamazoo Abrasive Cut Off Saw
Various Lapping Plates
2-Hand Operated Arbor Presses
Various Deburring Optical Magnifiers
1-50 Ton Arbor press
2-Deionized Ultrasonic cleaning system
2-Deionized Filter system
1-Reverse Osmosis Filter System
7-Simco Top Gun
2-Branson CH2024 Ultrasonic Wash Tanks (single tank)
1-Branson Benchmark Ultrasonic Wash Tank (three tanks)
3-Branson 2000X Ultrasonic Welder
2-Greco Bros. Ultrasonic Wash Tank (three tanks)
3-Greco Bros. Ultrasonic Wash Tank (two tanks)
1-PCH/M-102 Cutmaster
2-Toyota Lift 6000 lb.
1-Lexco Weld Table
3-Weld Indexers
1- Fusion Ultraviolet Light System
4-Despatch LAC series ovens
3-Despatch RAD series ovens
2-Sheldon Labs SG05 ovens
1-Encon DE-4 Wastewater Evaporator
1-Forced Convection Oven
1-VWR Gravity Convection Oven
1-TPS LO-850P Lab Oven

XI– Cleanroom, Packaging, and Other Equipment

3-MSI VL-1000 Vertical Laminator
24-Caltex High-Definition Video Microscopes
3-Steeger Vertical and Horizontal Braiding Machines
1-Rikert Engineering Coiling Machine
2-S-Y-M Products Mini Winder Coiling Machine
1-Steeger Bobbin Winder
8-Tip Laminators
1-PlasticWeld Systems Radiofrequency Tipping Machine
28- Hot Air Stations
4-Blue M Static Ovens
1-Olympus Boroscope
Burst Testors
7-72” High Narrow Desiccators
15-TDI UV Desiccators
2-Large Desiccators
52-Electronic Fluid/Glue Dispensers
6-Rotary Cutting Machines
1-Beahm Lap Joint Split Die Bonder
1-Beahm Lap Joint Split Die Bonder
1-Beahm Designs Split Die Thermal Welder
16-Light Curing Systems
1-Rigol MSO5104 Oscilloscope

XII– Inspection

1-Mitutoyo MACH Ko-ga-me CMM
1-Zeiss Contura CMM 1000mm X 1200mm X 600mm (39” X 47” X 23”)
1-Nikon Profile Projector V-12B Optical Comparator
1-Mitutoyo Measuring MF-U
1-QVI Sprint RAM Optical 300
1-Mitutoyo Litematic VL-50 High Accuracy Drop Indicator
1-Material Analyzer
1-GAGetrak Calibration Software
1-LAL Testing System
4-Mitutoyo Programmable Coordinate Measurement Machine, Crysta-Apex C544 with Renishaw PH10T Probe
1-Numerex CMM with QuadraCheck Software
5-OptiFlex 418 Vision System
1-OptiFlex MLX-2000 Vision System
1OptiFlex QCZ – 20000 Vision System
1-J & L Optical Comparator
1-J & L Epic 230 Optical Comparator
1-Mitutoyo AH-14 Optical Comparator
1-Mitutoyo Quick Image Vision System
1-Mitutoyo Optical Comparator with Read Out
1-Mitutoyo Surface Roughness Tester SJ-210
2-Micro Vu Spectra Comparator

XII- Inspection

1-Instron 4444 Pull Tester with various load cells
 1-Instron 34sc-5 Pull Tester with various load cells
 1-Instron 3345 Pull Tester with various load cells
 1-Micro-Hite Brown/Sharp
 1-Micro Hite 600
 1-Mitutoyo Digi-Matic Height Gage-12"
 1-Starrett Digi-Check Height Gage-18"
 2-Starrett Digi-Check Height Gage-12"
 1-Brown & Sharpe Hite-icator Height Gage-10"
 1-Precision Rotary Table
 3-Starrett Super Bench Micrometer
 5-A/O 569 Zoom Microscope
 2-Federal Dimensionaire Air Gages - .00002
 1-Federal Dimensionaire Air Gages - .00005
 1-Federal Electronic Probe - .00001 Grad.
 1-Indi-Square
 2-Rockwell Hardness Testers
 6-Sunnen Gages PG800, .375" to 2.970" Dia.
 3-Sunnen Dial Bore Gages with Setting Fixtures, .495" to 6.125" Dia.
 3-Federal Dial Bore gages .495" to 6 Dia.
 8-Gage Block Sets
 1-Do All Bench Center with Granite Base, 6" x 6" x 30"
 2-48" x 72" Starrett Grade AA Crystal Pink Surface Plate
 13-12" X 8" Granite Surface Plate
 1-36" X 48" Granite Surface Plate
 5-9" X 12" Granite Surface Plate
 1-24" X 36" Grade B Granite Surface Plate
 1-24" x 24" Grade A Granite Surface Plate
 1-18" x 24" Grade B Surface Plate
 10-12" x 18" Grades A & B Granite Surface Plate
 1-Van Keuren Optical Flat
 1-Simpson Continuity Tester
 Micrometers-1" to 15"
 Dial Calipers-1" to 13"
 Vernier Calipers-1" to 60"
 5-TM Electronics Leak Tester
 1-TM Package Burst Tester
 1-Sprint tester
 1-Vitrek V50 AC Safety Analyzer
 1-Laser Micrometer
 2-Pocket Surf Federal
 5-High Accuracy Micrometers 0-1" .000005"
 2-Keyence Image Dimension Measuring System IM-1600 Series
 1-Keyence Image Dimension Measuring System CV-X472F Series
 1- Wide-area 3D Measurement System VR-6200
 Thread Plug Gages
 Thread Ring Gages
 Plug Gages
 Measuring Wires

XIII- Clean Room Services

30,000 square feet of Class-7 Controlled Work Area for Complete Device Assembly
2-2000aed, 1100W Ultrasonic Welder
2-2000aed, 2200W Ultrasonic Welder
1-2000aed, 3300W Ultrasonic Welder
3-2000X, 2500W Ultrasonic Welder
1-2000X, 4000W Ultrasonic Welder
1-2000iw, 1200W Ultrasonic Welder
1-2000, 200W Ultrasonic Welder
Electro-Surgical Instrument Processing
 HiPot Testing
 Dielectric / Heat Shrink Coatings
 Valley Labs Electro-Surgical Generator Device Testing
Pressure Decay Testing Capabilities
Tyvek Pouching Sealing
Tyvek Lid Sealing
Package Validations
 Burst Testing
 Ship Testing
Adhesive & Solvent Bonding
 Tensile Strength Testing
Pad Printing
Control Charts, SPC
Laser Capabilities
 Engraving, Welding & Drilling
Deionized Pyrogen Free Ultrasonic Cleaning
Validated Processes for Various Metals
Validated Processes for Various Plastics
Precision Surgical Stitching
Contract Sterilization Management
Sterilization Validation: ETO, GAMMA, DRY HEAT, AUTOCLAVE, STERAD, ETC.
Equipment IQ/OQ and Process Control

XIV- Support Systems

Epicor ERP System
Lean Manufacturing Programs
Solidworks 3D Modeling Software
Doxcellent Document Control System
GAGEtrak Calibration Management System

Registered with the FDA
ISO 13485 Certified
Registered with the Korean Ministry of Food and Drug Safety
Accredited Foreign Manufacturer with Japanese Government
Registered with the Brazilian Health Regulatory Agency (ANVISA)
FDA-QSR Compliant System that follows CGMPs
ITAR Compliant