



## PRODUCTION FACILITIES LIST

Modern 30,000 Square Foot Facility in Westford, MA

ISO 9001, ISO 13485, FDA & ITAR Registered

### Quality Control

- 1 - Zeiss CMM Spectrum 5/5/6 VAST XXT with Calypso software
- 1 - Hexagon Global S Green 5.5.5 CMM
- 1 - DEA Coordinate Measuring Machine
- 5 - Deltronic DH-16 Profile Comparators
- 1 - Keyence IM-7030T Optical Measuring System
- 1 - Keyence IM-6225 Optical Measuring System
- 1 - Sprint Ram Optical 200 Vision System
- 1 - Vision Precision Engineering Optical Dyna-Scope 100X
- 4 - Brown & Sharpe Micro-height units
- 12 - Surface Plates
- 12 - Nikon Micro-Scopes 50X
- 2 - Federal Profilometers
- 1 - Phase 2 Rockwell Material Hardness Analysis System
- 2 - Sunnen Precision Bore Gages

### CNC Turning

- 1 - Citizen L20 Type X With High Pressure through Coolant with Thread Whirling Capability
- 1 - Citizen M420V - 9 Axis with Thread Whirling Capability
- 1 - Citizen M20 12 w/ Thread Whirling Capabilities
- 1 - Nakamura AS-200 with Y-Axis and Live Tooling
- 1 - Nakamura TMC-18 with Live Tooling
- 1 - Nakamura TW-10 Y twin spindle w/ live tooling
- 1 - Nakamura SC-250 With Live Tooling

### CNC Milling

*All Machining Centers Have Robotic Loading Capabilities Using Our Universal UR10 Robots*

- 1 - Brother H550Xd-1, 5 axis horizontal machining center robotic load system
- 5 - Fanuc RoboDrills-T21 with 4th axis capability
- 2 - Fanuc RoboDrills-D21 with pallet changers,
- 1 - Feeler HV-800 DM with 4th axis capability
- 1 - Feeler MV-1000H Vertical Machine Center
- 4 - CNC Haas Indexing Units

### EDM

- 7 - Fanuc "C" series Wire EDM Machines w/4th Axis
- 1 - Exeron CNC Conventional EDM
- 1 - Ocean 500 Technology CNC Hole Pop

### Prototype

- 1 - Hurco-VM-1 Machining Center
- 1 - Proto-Trak SLX CNC lathe
- 1 - Proto-Trak DMP2 3 axis CNC lathe
- 3 - Bridgeports, w/ precision digital readout systems
- 3 - Precision Hardinge Tool Room Lathes Precision Read Outs
- 1 - Proto-Lab, Rigid 400 3-D printing system

### CNC Laser Marking Capabilities

- 2 - FOBA M2000PLaser Marking systems with 4<sup>th</sup> Axis and UDI Capability with Robotic Loading
- 1 - ElectroX 600 Laser Marking System with 4<sup>th</sup> Axis and UDI capability, with Robotic Loading

### Laser Welding Capabilities

- 1 - OR Laser Technology ECO 4600 Laser Welding System with full Rotary Capabilities.
- 1 - OR Laser Technology ECO 3300 Laser Welding system with full rotary capabilities.

### Secondary Equipment

- 3 - Calibrated heat treat ovens and Cress heat treat oven
- 1 - KC AX Horizon auto feed cutoff saw
- 1 - V500 Vertical cutoff saw
- 1 - Harrig precision surface grinder 6" x 18"
- 1 - Agathon precision tool grinder
- 1 - Sunnen Honing machine
- 1 - Crest ultrasonic cleaning system model OCJ-1218
- 1 - Crest ultrasonic passivation line
- 3 - Precision glass bead stations
- 2 - Vibratory tumbler stations
- 1 - Pelton 7 Crane sterilizer model AF 10