



## FACILITIES LIST

---

### CNC AUTOMATIC TURNING MACHINES

- 4– Star SB-16 with Automatic Barloader:
  - 1 – Citizen Cincom L-20 Type VIII Multi-Axis lathe with Sub-Spindle and Back Working, Milling, Automatic Barloader.
- 2– Citizen Cincom F-16 Compound Precision CNC Automatic Lathe.
  - 2 – Nakamura Tome TMC-15 Precision CNC Automatic Lathe.
  - 1 – Miyano BNC-20T Precision Automatic Lathe.

### CNC VERTICAL MACHINING CENTERS

- 2 – Four-axis Matsuura 600VF CNC Machining Center:
  - High speed, high pressure coolant, automatic tool changer.
- 3 – Three-axis Matsuura RA-2F Palletized CNC Machining Center:
  - High speed, high pressure coolant, automatic tool changer.
- 2 – Fanuc RoboDrills with high pressure coolant.

### CNC EDM 4 and 5-AXIS TRAVELING WIRE SYSTEMS

- 10 – Fanuc High-Speed CNC Wire EDM System.

### CNC CYLINDRICAL GRINDING SYSTEMS

- 4 – Rollomatic Grindsmart CNC620XS Super Precision Tool Grinding Center
  - 8 axes with automatic part loading, CNC Dressing Systems.
- 1 – Toss Cylindrical Center Grinder, 5 Axes.

### CENTERLESS GRINDING

- 3 – SuperTec, 12" x 6" wheel for diameters up to .500", Sony Digital Readout.
- 2 – SuperTec STC-20, 20" x 8" wheel for diameters up to 1.00" Mitsubishi CNC control.

### MARKING SYSTEMS

- 1 – ElectroX Scriba II Plus 90 Watt NdYag Laser Marking System,
  - CNC, high speed, 4th axis: X -Y Table, Z axis focus, and rotary indexer for circumferential marking
- 1 – AB Laser Landmark NdYag Laser Marking System
  - CNC, high speed, rotary indexer for circumferential marking (4')

455 River Road  
PO Box 718  
Hudson, MA 01749

voice: 978-562-4137  
fax: 978-562-4745



## WELDING SYSTEMS

- 1 – Lasag NdYag 400W Laser Welding System  
CNC, 3 beam optical fiber delivery; Precision lathe-mounted for circumferential welds; 3rd axis; Precision rotary indexing table; X/Y/Z axis programmable for linear welds; Precision rotary indexer.
- 1 – Lasag NdYag 400W Laser Welding System  
CNC, 1 beam optical fiber delivery; Precision lathe-mounted for circumferential welds; 3rd axis; Precision rotary indexing table; X/Y/Z axis programmable for linear welds with full 4th axis.
- 1 – GSI Lumonics NdYag 150 Laser Welding System  
CNC, 2 beam optical fiber delivery.
- 3 – Plasma Arc Welding System, CNC, precision lathe-mounted; welds precisely aligned and monitored by color TV measuring systems. Tubular welds checked by color TV boroscopes.
- 1 – Unitek Peco UB25 Linear DC Resistance Welding System for miniature and micro-miniature parts.
- 3 – Precision Thermal Induction Bonding Welding System for plastic-to-metal bonding of parts or assemblies.

## INSPECTION EQUIPMENT

- 1 – Mitutoyo QV 404 PRO Vision Measuring system with associated software.
- 6 – 14" Optical Comparators.
- 1 – Federal Formscan 6100 Roundness Detector and Recorder indicating amount and shape of out of roundness or lack of concentricity.
- 1 – Mitutoyo SJ-201 Surface Texture Analyzer.
- 1 – Nikon Measurescope 20.

Other equipment including gage block sets, pin gage sets, thread gages, micrometers, digital and dial, bench micrometers, calipers, digital height gage, digital and dial concentricity gages, indicators, mechanical and electronic, granite surface plates and blocks, hi-pot tester, torque and force gages.

455 River Road  
PO Box 718  
Hudson, MA 01749

voice: 978-562-4137  
fax: 978-562-4745

[www.drproducts.com](http://www.drproducts.com)



### OTHER PRODUCTION EQUIPMENT

- 2 – Greenerd Hydraulic Press  
5 and 7 ton, adjustable dwell control.
- 1 – Fenn NF2 Die Rotary Swager, to .062" solid.
- 1 – K.O. Lee Electro-Hydraulic Surface Grinder.
- 1 – Jones & Shipman Cylindrical Center Grinder. Sony Digital Readout.

### TOOL & DIE FACILITY

- 2 – Bridgeport Milling Machine / CNC/Digital Readout.
- 2 – Hardinge precision lathe / Digital Readout.
- 1 – Boyar Shultz Precision Surface Grinder.
- 1 – Harrig 618 Precision Surface Grinder.

### IN-HOUSE CAPABILITIES

- Class 10,000 Clean Room
- Controlled Environment Assembly Area (equal to class 100,000 CR).
- Pouch and Thermo Form Packaging; Labeling.
- Precision grinding of stainless steel cutting edges, cylindrical, flat, and circular, teeth, lancet and trocar points.
- Swaging of solid and tubular forms.
- Thermal Induction Welding for plastic-to-metal bonding.
- Electropolishing, Ultrasonic Cleaning.
- Tumbling, Vibratory Finishing, High Energy Finishing.
- Precision Bead and Abrasive Blasting under magnification.
- Proprietary finishing processes.
- Tool, Die, and Fixture Making and Repair.

455 River Road  
PO Box 718  
Hudson, MA 01749

voice: 978-562-4137  
fax: 978-562-4745

[www.drproducts.com](http://www.drproducts.com)