

# harford systems inc

a bioMedic company

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## Updated Equipment List (1/13/16)rc

### Machine Shop Department

- \*Qty.1 Hardinge Conquest CNC Lathe  
w/live milling,sub spindle,graphic control,12'barfeeder, and C-axis contouring
- \*Qty 1 Fadal CNC Mill 20"x40"x20" travel and 4<sup>th</sup> axis indexer
- \*Qty 1 Fadal CNC Mill 30"x60"x30" travel w/Rigid Tap and  
Engraving Head
- \*Qty 1 Bridgeport Mill 16"x36"x16"travel w/Prototrak Control
- \*Qty 1 Bridgeport Mill 16"x36"x16"travel
- \*Qty 1 Republic Lathe 13"x40" travel w/digital readouts
- \*Qty 1 Clausing Surface Grinder 10"x20" travel
- \*Qty 1 Do All Bandsaw 36" Throat
- \*Qty 1 Do All Bandsaw 24" Throat
- \*Qty 1 Rockwell Drill Press 7.5" Throat w/tapping heads
- \*Qty 2 Rockwell Belt Sander 2" x 48"
- \*Qty 1 Rockwell Belt Sander 6" x 48"
- \*Qty 1 Bench Grinder 8" wheels
- \*Qty 1 Mastercam X5 3-D Programming Software for CNC Equipment  
w/DXF file transfer
- \*Qty.1 Delta Drill Press 7.5" Throat

### Spot Welding Department

- \*Qty 5 H&H Resistance Welders 200KVA
- \*Qty 3 H&H Resistance Welders 100KVA
- \*Qty 1 H&H Resistance Welders 40KVA
- \*Qty 1 H&H Resistance Welders 30KVA
- \*Qty 2 Sciaky Resistance Welder 150KVA
- \*Qty 1 Sciaky Resistance Welder 125KVA
- \*Qty 4 Banner/Alphil Welders 30 KVA
- \*Qty 1 Alphil Resistance Welder 75KVA
- \*Qty 1 Taylor Winfield Welder 100KVA
- \*Qty 1 Taylor Winfield Longarm Welder 48"Throat
- \*Qty 1 American Seam Welder 100KVA
- \*Qty 1 Apex Hanging Long Arm Resistance Welder 36KVA X 48"
- \*Qty 1 Milco Hanging Push Gun Resistance Welder 75KVA

**Wire Department**

- \*Qty 1 E.W.Bliss Trimmer
- \*Qty 1 Penn Trimmer
- \*Qty 1 Niagra Shear
- \*Qty 1 Savage Wire Nibbler
- \*Qty.2 Lubow Rod Former
- \*Qty 1 Rouselle Trimmer 3G
- \*Qty 1 DiAcro Rod Cutter
- \*Qty 1 DiAcro Power Bender
- \*Qty 1 Roundo Power Roller 60"Width
- \*Qty 5 Lewis Wire Cutters
- \*Qty 1 Roper Whitney Roller 24"Width
- \*Qty 1 Kidder Notcher
- \*Qty.1 Penn Ring Roller
- \*Qty.1 Toledo Scale

**Welding Department**

- \*Qty 1 Miller CP-300 Amp Tig Welder
- \*Qty 1 Miller CP-200 Amp Tig Welder
- \*Qty 2 Lincoln 300 Amp Tig Welder
- \*Qty 15 Miller Syncrowave 250 Amp Tig Welder
- \*Qty 1 Millermatic 250 Amp Mig Welder w/Spoolmate 200 Gun
- \*Qty 1 Midwest Stud Welder
- \*Qty 2 Overhead Crane 1 Ton
- \*Qty 7 Belt Grinders 2" x 48"
- \*Qty.1 Dynasty 200 Welder

**Laser Cutting**

- \*Qty 1 Cincinnati CL707 4000 Watt Laser w/2-5'x10'Pallet  
Shuttles,Windows PC-Based Control and Nesting software w/DXF File Transfer,Dual  
Pump Chiller,and Power Conditioner
- \*Qty 1 Anver Gorbelt Jib Crane w/2000 lb. Capacity Hoist and Anver  
Electric Powered Vacuum Sheet Lifter

**Sheet Metal Department**

- \*Qty 1 Cincinnati Proform Press Brake 60Ton x 4',17"Open Height,  
8" Stroke w/Windows PC-Based Control,CNC SX 24" Backgage  
w/Programmable R-Axis,and American Style Segmented and  
Ground Tooling
- \*Qty 1 Cincinnati Autoform Press Brake 230Ton X 12',23"Open  
Height,16"Stroke w/Windows PC-Based Graphic Control,Bend  
Simulation Software,Auto Crown,Heavy Duty 4-Axis  
Backgage,Programmable R-Axis,Fast Set Up Work  
Supports,American Style Segmented and Ground Tooling

- \*Qty 1 Cincinnati Maxform Press Brake 175Ton X 12'23"Open

Height,16"Stroke,w/WindowsPC-Based Graphic Control,Bend  
Simulation Software,Programmable Auto Crown,5-axis  
Backgage,Programmable R-Axis,Fast Set Up Work  
Supports,American Style Segmented and Ground Tooling

- \*Qty.1 Cincinnati Shear ¼"x 10 ft.
- \*Qty 1 Cincinnati Shear 10 ga. X 6 ft.
- \*Qty 1 Strippit Fabri-Center 1000NC w/20 Station Turret and  
Multipunch Software
- \*Qty 1 Whitney Quick Change 50 Ton x 30" w/Manual 30" Backgage
- \*Qty 1 Pacific Hydraulic Pressformer 110 Ton 16" Open Height, 12"  
Stroke,and Hurco Autobend 7 Backgage
- \*Qty 1 Rouselle Punch Press 25 Ton
- \*Qty 1 Rouselle Punch Press 70 Ton
- \*Qty 1 AEM Deburring Machine 48"w/Airknife
- \*Qty 1 Roper Whitney Corner Radius Notcher
- \*Qty 1 Premier Press Brake 40 Ton x 4',10" Open Height,6" Stroke,  
w/Hurco Autobend 7 Backgage
- \*Qty 1 Pacific Press Brake 55ton x 6',12"Open Height,6"Stroke,  
w/Hurco Autobend 7 Backgage
- \*Qty 1 Sweco Vibratory Finisher 14 cu ft
- \*Qty 1 Sweco Vibratory Finisher 10 cu ft
- \*Qty 1 Hurricane Parts Dryer
- \*Qty 1 Time Saver Conveyor Sander 36" Belt
- \*Qty 1 Auto Sert Pemsetter
- \*Qty 1 Amada 90 Degree Notcher x ¼"
- \*Qty 1 National Rivet Inserter
- \*Qty 1 Hyd Mech Bandsaw w/Programmable Angle and Length
- \*Qty 1 Yale 5 Ton Hoist
- \*Qty 1 Gorbel 1 Ton Jib Crane
- \*Qty 1 Speedycut Tapping Machine
- \*Qty 1 WA Whitney 18 Ton Notcher
- \*Qty 1 Ransohoff Parts Washer w/12"Wide Conveyor
- \*Qty 1 Pacific Press Brake 165 Ton
- \*Qty 1 Maquinas Edge Rounding Machine
- \*Qty 1 Edwards Iron Worker 55 Ton

### **Bead Blast Department**

- \*Qty 1 Clemco Blast Room 14'x10'x10'
- \*Qty 1 Empire Blast Room 8'x10'x8'
- \*Qty 1 Harford Blast Room 10'x11'x7'9'
- \*Qty 1 Clemco BNP720 Blast Cabinet 6'x6'x5'

- \*QTY 1 Amada Press Brake 80ton x 6',13.79"Open Height,3.94"Stroke,and DRC Backgage
- \*Qty 1 Amada Press Brake 25ton x 4',13.79" Open Height, 3.94" Stroke, and DRC Backgage
- \*Qty 1 Trak Mill 24"x36"
- \*Qty 1 Trak Lathe 12" x 24"
- \*Qty 1 Miller Syncrowave Welder 250DX
- \*Qty 1 Delta Drill Press w/7.5" Throat
- \*Qty 1 General Drill Press w/8.5" Throat
- \*Qty 1 Delta Bandsaw w/13.5" Throat
- \*Qty 1 Amada Notcher, 14 ga.Capacity
- \*Qty 1 Wysong Shear 52" x 10 ga. Capacity
- \*Qty 1 Whitney Quick Change Press 27 Ton,36" Throat w/Manual 30" Backgage
- \*Qty 1 H&H Resistance Welder 40 KVA
- \*Qty 1 Bliss Punch Press 22 Ton, 9.25" Open Height, 2.5" Stroke
- \*Qty 1 Niagra Hand Brake 3'
- \*Qty 1 Niagra Circle Shear 44"Dia.
- \*Qty 1 Chicago Hand Brake 6ft.
- \*Qty 1 Power Mate Plasma Cutter 20 AMP
- \*Qty 1 Rigid Pipe Threader 2"Pipe
- \*Qty 1 Baldor 2" x 48" Belt Sander
- \*Qty 1 Delta Bench Grinder 8"
- \*Qty 1 Delta Bench Grinder w/6" Wire Wheel and 6" Soft Wheel
- \*Qty 1 Chicago Hand Roller 24"
- \*Qty 1 Universal Iron Bender

### **Maintenance Department**

- \*Qty 1 Gardner Denver Air Compressor 100HP
- \*Qty 1 Van Air Dryer 220v
- \*Qty 1 Acetylene Torch Kit w/Victor Gauges
- \*Qty 1 DoAll Band Saw

### **Plant Lighting**

- \*Qty 299 Manufacturing T5-6 Lamp 372 Watt
- \*Qty 132 Office T8-2 Lamp 70 Watt
- \*Qty 60 Misc T8-2 Lamp 70 Watt
- \*Qty 30 Misc T2-2 Lamp 70 Watt
- \*Qty 17 Manufacturing T5-4 Lamp 248 Watt

### **Forklifts/Vehicles**

- \*Qty 1 Caterpillar Forklift T50D LP Gas 4850 lb cap x 188 Ht

- \*Qty 1 Clark Forklift TM15 36V 2475 lb x 188 Ht
- \*Qty 2 TCM Forklift FTB15 36V 2700 lb x 189 Ht
- \*Qty 1 Caterpillar Forklift F35 48V 3500 lb x 154 Ht
- \*Qty 1 Hyster Forklift H50XM LP Gas 4850 lb x 189 Ht
- \*Qty 2 Big Joe Lift 12V 1500 lb x 108 Ht
- \*Qty 2 Big Joe Lift 12V 1500 lb x 96 Ht
- \*Qty 1 Hawk Pallet Scale 5000 lb
- \*Qty 1 Ford F350 Diesel Truck 4x4 6'Bed
- \*Qty 1 Chevy Van 1500
- \*Qty 1 Isuzu NPR Diesel Box Truck 20'Box w/Liftgate
- \*Qty 12 Hand Operated Pallet Jack

### **Inspection and Testing Equipment**

- \*Qty 1 AEMC Hi Pot Tester
- \*Qty 3 TSI Veloci Cal Air Flow Meter
- \*Qty 1 Rion Sound Level Meter
- \*Qty 1 Manning Electrochemical Meter
- \*Qty 1 Manning CO2 Sensor
- \*Qty 1 ATI Particle Detection Meter
- \*Qty 2 Fluke Multimeter Voltage Tester
- \*Qty 1 Met-One Particle Tester
- \*Qty 1 Meyer Pin Gauge Set .061 thru .625 (.001 increments)
- \*Qty 2 Mitutoyo Dial Calipers 6" and 12"
- \*Qty 1 Mitutoyo Micrometer 0-1"
- \*Qty 1 Starret Combination Square 6",12" and 24"
- \*Qty 1 Starret Protractor
- \*Qty 1 Starret Radius Gauges 1/32" thru 31/64"
- \*Qty 1 Mitutoyo Thickness Gauge
- \*Qty 1 Mitutoyo Telescoping Bore Gauge Set .75" thru 1.25"
- \*Qty 1 PTC Instrument Type A Durometer Gauge
- \*Qty 1 Brown & Sharp Machinist Rule 48"
- \*Qty 1 Starret Granite Table 36" x 72"
- \*Qty 1 Mitutoyo Dial Height Gauge 12"
- \*Qty 1 Starret Steel Rule w/Hook 24"
- \*Qty 1 Starret Machinist Rule 6"
- \*Qty 1 Starret Precision Straight Edge 72"
- \*Qty 1 Goko Seiki Model 5R Rockwell Hardness Tester
- \*Qty 1 Bausch & Lomb Hastings Triplet Inspection Lupe 10x
- \*Qty 1 SPI Scale Inspection Lupe 7x