

H&H PRECISION WIRE

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H&H Precision Wire was established in 1985. Specializing in Wire EDM, CNC Mill, CNC Lathe, Screw Machine, and Waterjetting, H&H has the technology to meet a wide variety of your machining needs. Operating 24 hours a day, our dedicated staff is able to quickly meet your delivery needs.

WIRE EDM

With our Wire EDM capabilities, we are able to achieve tolerances within +/- .0002 and the ability to cut tapers up to 30°. Wire diameters include .004"-.010"



- 1 - CHARMILLES ROBOFIL 440 Sub-merged wire EDM with autothreader. 21.5"x13.75x16" travel and 30° taper.
- 2 - CHARMILLES ROBOFIL 310 Wire EDM's with autothreader. 16"x10"x16" cutting travel and 30° taper.
- 1 - CHARMILLES ROBOFIL 300 Wire EDM. 16"x10"x16" cutting travel and 30° + taper.
- 1 - CHARMILLES ROBOFIL 510 Wire EDM with autothreader. 28"x16"x16" cutting travel and 30° taper.
- 1 - CHARMILLES ROBOFIL 4020 Submerged Wire EDM with autothreader. 17.7" x 12.59" x 9.0" travel and 30° taper.
- 1 - CHARMILLES ROBOFIL 2020 Submerged Wire EDM with autothreader. 12.6" x 8.6" x 6.0" travel and 30° taper.
- 1 CHARMILLES HD8 - EDM Drilling machine 13.8"x9.8"x13.8" travel. (.012, .020, .040, .060, .118 diameters)

CNC MILLS

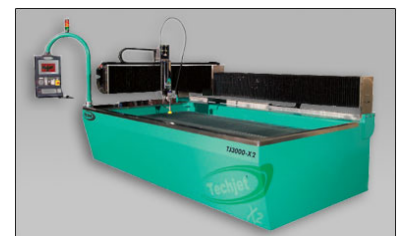
- 1 HAAS EC-400 - Horizontal Machining Center; 20" x 20" x 20", twin-pallet system, 30 hp vector drive, 12,000 rpm, 70+1 side-mount tool changer, Full 4th-Axis Rotary System, and rigid tapping, through spindle coolant, Renishaw Intuitive Probing System.
- 1 HAAS VF3SS - Super Speed Vertical Machining Center; 40" x 20" x 25", 30 hp vector drive, 12,000 rpm, high-speed 24+1 side-mount tool changer, **1400 ipm rapids**, rigid tapping, High-pressure through spindle coolant, Renishaw Intuitive Probing System
- 1 HAAS VF3 - with 20"x40"x25" travel. 7500 RPM Spindle, 20 position tool rack.
- 1 HAAS VF5/50XT - 26"x60"x25" travel, 50 Taper, High-pressure through spindle coolant 1000PSI, 7500 rpm, equipped with Renishaw Probe.
- 1 Mori Seiki SH-40 HORIZONTAL Mill - 2 Pallets, 12,000 RPM spindle, 40 position tool rack.
- 1 Matsuura 500V - 16"x30"x16" travel, 6000 RPM spindle, 20 position tool rack.
- 1 HAAS Rotary Table - 8.27" Diameter capacity with tailstock.



WATER JETTING

With our Water Jetting capabilities, we have the ability to easily cut an array of materials and thicknesses, from stone, metal, plastic and glass, to rubber, ceramics, composites, aluminum, tool steel, stainless steel, mild steel and titanium.

- Techni Waterjet TJ 3000 X2 - 5' 3" x 10' 6" of cutting travel. Accuracy of Motion .001". Maximum Material thickness 6". **60 Degree Beveling Capability** - capable of producing parts with a true angle up to ± 60 deg with continuous rotation.
- OMAX Model 2652 with TILTA-JET - X-Y Travel 26"x52" cutting travel. With the Tilt-A-Jet it allows for virtually zero taper with most materials.



CNC LATHES

- 2 Nakamura-Tome Slant 1 with 12" diameter capacity and 12 position turret
- 1 Mori Seiki SL-15 with tool pre-setter and parts catcher
- 1 Storm 300 3.05" thru the spindle with 12" diameter capacity and 12 position turret. 20" turn length max
- 1 Mori Seiki SL2500 - 4 axis with sub spindle, full C axis and live milling on both spindles. 3" bar capacity.
- 1 HAAS TL25 with sub spindle. Full C axis on main spindle. 16" Chuck on main. 4" bar capacity.



SWISS SCREW MACHINES

- 1 STAR VNC32 - 1.250" bar capacity screw machine with live tooling , sub-spindle.
- 1 STAR SR-16 - .625" bar capacity screw machine with live tooling, sub-spindle.

GRINDERS

- 1 OKAMOTO 12x24DX - Auto Surface Grinder with 12" x24" travel.
- 1 MITSUI TECH - surface grinder with 6" x12" of travel.
- 1 ROCKWELL - surface grinder with 5" x10" of travel.

ENGRAVING

- NEWHERMES - VANGUARD 7000 - Cylindrical engraver - Flat or round stock up to 6" diameter.

DEBURRING

- The sPINner deburring machine works best on small, precision parts, made from non-ferrous metals including: aluminum, brass, copper, stainless steel, and titanium. The deburring process will not affect tolerances or damage delicate parts.
- Vibratory Tumblers



MANUAL MACHINES

- BRIDGEPORT VERTICAL MILL 9" x 42" Travel
- LAGUN VF-2 VERTICAL MILL 10" x 50" Travel
- LAGUN ENGINE LATHE 14" x 60"
- CASENEUVE ENGINE LATHE 20" x 60"
- KALAMAZOO AUTOMATIC CUTOFF SAW 10" x 16"
- MSC VERTICAL BAND SAW 14" x 20"

INSPECTION EQUIPMENT

- Giddings & Lewis Sheffield Cordax RS 25 Coordinate Measuring Machine
- Benchmark 16 Optical Comparator w/Quadra Check 2000 Digital Readout
- Surface Plates with Mitutoyo Electronic Height Gages
- Gage Pins ranging from .008" to 1.000" in .0005" increments
- Full Line of Mitutoyo BoreMics
- Full Line of Mitutoyo Micrometers with .0001" increments
- Range of DELTRONIC TENTH PINS

Contact us for a free quote. You can fax a drawing to 717-567-7519 or email us at HHPREC@EMBARQMAIL.COM - we have the ability to read almost any file format (DXF, DWG, IGES, Solid, etc...). Our competitive pricing, quick turnaround time, and quality make us a reputable job shop with the ability to meet a wide range of your machining needs.

Thank you for your time and consideration

