

Equipment & Capabilities

CNC MILLING EQUIPMENT

- 10 Hurco mills with 4th axis
- 2 5-axis mills
- 2 Okuma mills with 4th axis
- 2 horizontal milling machines with 12 pallets
- Max travel: 80 inches milling

CNC TURNING EQUIPMENT

- 5 live tool Okuma lathes with Y axis milling and sub- spindles
- 2 Okuma 4-axis lathes
- 2 Tsugami swiss turn with live tools, sub-spindles and bar feeders
- Max travel: 40 inches
- Max diameter 12" shafts and 15" on short pieces
- CNC controlled steady rest for up to 8" in diameter

WATERJET CUTTING

- Waterjet cutting with 5-axis head
- Max 5x10' cutting area

WELDING CAPABILITIES

- 2 Panasonic 9-axis Robotic Welders
- Materials welded are carbon steel, stainless steel, aluminum, alloys, brass, and others.
- 300 amp TIG welder
- 2 MIG welders (500 and 200 amp)

QUALITY INSPECTION EQUIPMENT

- Zeiss Automated Coordinate Measuring Machine
- Brown and Sharp Manual Coordinate Measuring Machine
- ID and OD Digital Bore Gages and Micrometers
- Mitutoyo Optical Comparator
- Renishaw Probes on CNC Machines

MECHANICAL ASSEMBLY

- We have 2 hydraulic assembly presses, 2 manual presses, and a computer-controlled hydraulic test station capable of testing pressures to 7000 psi and flow rates to 8 gallons/minute on cylinders and valves. Also have an electrical control assembly area and mechanical assembly areas.

COATING PROCESSES

- Sub-contracted out. Powder coating, anodizing, plating, black oxide, etc.

GENERAL EQUIPMENT

- 2 Amada horizontal Saws
- Vertical Band Saws
- 5 Vibratory deburring units
- Sand blast/ bead blast cabinet
- Chevalier grinder 6x18, Amada horizontal saws
- Drill Presses

MATERIALS

- Alloy Steels, Aluminum, Bronze, Carbon Steels, Castings, Copper, Inconel, Plastics, Stainless Steel, Titanium, Tool Steels. We also weld aluminum, carbon steel, and stainless steel.