

Manufacturing Equipment as of February 1, 2002

CNC Machining Centers:

- 2 Mori Seiki CNC Mill, Model GV-503 with 4th Axis Indexer (12,000 RPM - X24", Y20", Z18")
- 7 Chiron CNC Mills, Model FZ12W Magnum (10,500 RPM - X21", Y12", Z24")
- 1 Okuma CNC Mill, Model MC-4VA (X26.4", Y16.7", Z21.8")

CNC Turning Centers:

- 2 Mori Seiki ZL-200SMC 6-Axis w/"Live Tooling" & LNS Bar Feeder (6" & 8" Chuck, 2.5" Bar Cap.)
- 1 Okuma CNC 4 Axis Lathe, Model LR-10 with LNS Bar Feeder (6" Chuck, 1.750" Bar Cap.)
- 1 Okuma CNC Lathe, Model LB-10 with LNS Bar Feeder with Tail Stock (6" Chuck, 1.625" Bar Cap.)
- 4 Hwacheon CNC Lathes, Model Hi-ECO 21 HS with Tail Stock (8" Chuck)
- 2 Hwacheon CNC Lathes, Model Hi-ECO 11 HS with Tail Stock (6" Chuck)

1 Webb 17 x 40 Engine Lathe

2 Bridgeport (2-J) with Digital Readout (Vari-Drive Vertical Mill)

1 DoAll CNC Cutoff Saw, Model C-260NC (12" Capacity)

1 SOM 5-C Turret Lathe Chucker (1-1/16" Dia. Capacity)

3 CAD/CAM Workstations

4 CAD Workstations

2 SMW 4th Axis Rotary Indexer

4 Haas 4th Axis Rotary Indexer

1 Wilton 2025 1-1/2 H.P. Drill Press

1 Servo Small Hole Drill Press (20,000 RPM)

3 DoAll Drill Presses, 3/4 H.P. with Vari-Drive Head

1 Chicago Drill Press, 3/4 H.P.

1 Jet Drill Press, 1/2 H.P.

1 Craftsman Drill Press, 1/2 H.P.

1 Roll-In Bandsaw

1 Rush Tool Grinder, Model 252

1 Chevalier 6" x 12" Surface Grinder

1 J & S Angle/Radius Wheel Dresser

1 Baldor Carbide Tool Grinder

1 Accu-Finish Tool Grinder, Series II

1 Oxyacetylene Welding System

1 COMCO, Model HB1006 Airbrasive Precision Sandblast Unit

1 Mark 300 Electro-Chemical Marking Machine

2 Overbeck Machine Tool 5-C Twister Speed Lathes

3 Ultrasonic Cleaner and Vapor Degreaser

1 One-Ton Toyota Flat Bed Truck

1 GMC Delivery Van

1 Komatsu 3000 lb. Forklift

1 Clark NP300-30 Forklift

Inspection Equipment as of February 1, 2002

- 1 Mitutoyo Bright 504 CNC Coordinate Measuring Machine
- 1 14" OGP Basic Bench Contour Projector with edge sensing technology
- 3 Mitutoyo "Surf-Test 301" Profilometer

- 1 36" x 72" Granite Inspection Plate (Grade A)
- 3 24" x 36" Granite Inspection Plate (Grade A)
- 1 9" x 9" x 9" Granite 90° Degree Angle Plate
- 3 Shop Grade Granite Inspection Plates
- 7 Granite Plates with Drop Indicators

- 1 Mitutoyo 12" Height Master
- 1 Mitutoyo 18" Digit-Matic Height Gage
- 2 Mitutoyo 12" Digit-Matic Height Gage
- 5 Mitutoyo 12" Height Gage

- 1 Wilson Hardness Tester

- 3 Bausch & Lomb Stereo Zoom Microscope (20x to 40x)
- 1 Nikon Microscope (20x - 40x)
- 4 View Stereo Microscope
- 1 9 pc. set of Calibration Quality Gage Blocks
- 2 80 pc. set of Gage Blocks
- 2 Sets of Gage Pins .011" - .500" (in .001" increments)
- 1 24" Set of Bench Centers
- 1 Gar Air Gage (inspect diameters to .00002")
- 1 Dial Bore Gages .145" - 6.00" (inspect to .0001")
- 1.5 - 1.2" Mitutoyo Borematic (Inspect to .0005)
- 1 Thread Gages and Deltronic Pins as required
- 1 Mueller Gage for inspecting inside Grooves .180 - 6" diameter (to .0005")
- 1 Outside Micrometers through 18"
- 1 Calipers through 40"
- 1 ID Groove Indicators from .180 diameter
- Specialty Micrometers:
 - 1 Etalon 1" Indicator Micrometer (inspect to .00005")
 - 3/4" - 3" 3-Point Hole Micrometers
 - 0 - 3" Thread Pitch Micrometers
 - 0 - 2" Mitutoyo "Uni-Mike" Interchangeable Anvil Micrometers
 - 0 - 3" Blade Micrometers
 - 0 - 14" depth Micrometers (including Mitutoyo Digi-Matic)
 - 0 - 12" Inside Micrometers
 - ID Groove Width Micrometer
 - 0 - 1" Disc Micrometer