CNC & Manual Machining Centers

- 2012 Makino a51nx HMC – Full B Axis
- 2012 Kitamura MyCenter HX250G HMC – Full B Axis
- 2012 Mori-Seiki NTX1000 SZM Mill-Turn Center – Full 5 Axis
- 2012 LNS Quick Load Servo S3 Automatic Bar Stock Loader
- 2011 Mori-Seiki NH4000 DCG HMC – Full B Axis
- 2008 Okuma Space Center MA-400HA HMC – Full B Axis - 12" Pallet Pool
- 2 x 2005 Kitamura MyCenter HX250i HMC’s - Full B Axis
- 2010 Brother TC-32BN QT VMC With Pallet Changing
- 2011 Hurco VMX42 VMC With Full 4th Axis & Part Probing
- 2007 Hurco TM6 CNC Lathe - 8” Diameter Capacity
- Kitagawa 4th Axis Rotary Table
- Chick Tombstones, Foundations & Quik-Loc Vises
- Rego-Fix powRgrip PGU6100
- Bridgeport Knee Mill With Sony Digital Readout
- Central Machinery Milling/Drilling Machine

Quality Control

- Brown & Sharpe Xcel 7107 CMM – Full CNC
- Sheffield Discovery III Model I-8 CMM
- 2 - Brown & Sharpe Tesa-Hite 350 Digital Height Gauges
- Mitutoyo QM-Height 350
- Fowler Z-Cal 300 Digital Height Stand
- Mitutoyo PH-3500 Projector & Quadra Check 200 Control
- Sony Video Microscope With Monitor & Printer
- Bausch & Lomb Binocular Lighted Microscope
- 36” x 48” Pink Starrett Surface Plate
- 24” x 36” Black Starrett Surface Plate
- 18” x 24” Pink Starrett Surface Plate
- Vermont Gauge Pins .006-.750 Minus
- Myers Gauge Pins .061-.5005 Plus And Minus
- Assortment Of Deltronic Gauge Pins
- Adjustable Surface Plate Centers
- Herman Schmitt Surface Gauge
- Mitutoyo .5” - 1.5” Dial Bore Gage
- Variety Of Indicators And Measuring Equipment
Computer Software

- ESPRIT 2012
- Mastercam X6 Mill Level III
- Mastercam X6 Solids
- Mastercam X6 Art
- edgeCAM 12.5
- Epicor 9 MRP
- Cimco Edit
- Cimco DNC
- UltraEdit Professional
- UltraCompare Professional

Compressors & Welding

- 2012 Atlas Copco GA18VSD Variable Speed Rotary Screw
- 2006 Atlas Copco GA11VSD FF Variable Speed Rotary Screw
- 2007 Miller Syncrowave 250 DX
- 2005 Lincoln Precision Tig 185 Welder
- 2000 Millermatic 200 Mig Welder
- 16' x 10' Fixturing Bench
- Victor Torches

Cutoff, Deburring, Cleaning & Part Marking

- 2004 Doall C-916 Automatic Band Saw
- 14” Dewalt Cut off saw
- 14” Ridgid Chop Saw
- Ridgid Vertical Band Saw
- Burr King Vibra 45 Tumbler
- 4” & 6” Belt & Disc Sander
- Clausing 6” x 18” Surface Grinder With Brown & Sharp Magnetic Chuck
- 2 - Brason 2510 Ultrasonic Cleaners
- Simple Green Parts Washer
- Gray Mills Enclosed Parts Washer
- 2007 Hotsy 555SS Heated Pressure Washer
- Enco Buffer
- Telesis TMP3000 Pinstamp Marking System
2012 Mori-Seiki NTX1000 SZM
- 10 Axis / Simultaneous 5 Axis Machining
- X-axis travel 15” (381 mm)
- Y-axis travel 4.1” (104 mm)
- Z-axis travel 18.1” (460 mm)
- Max. turning length 16.6” (421.6 mm)
- 2 ½” Diameter Thru Spindle

2012 Quick Load S3
- Bar Diameter: 1/4” - 4-3/4” (6-120 mm)
- Bar length: 4” - 63” (101.6 – 1600 mm)
- Side load rack
- Loading capacity: 40” (1016 mm)
- Loading: Front / Rear
- Headstock type: Fixed
- X or Z axis retraction: 23” (584.2 mm)
- Diameter set up: 10 sec (automatic)
- Total changeover: 2 min (for pusher)
- Motor: Servo
- Drive: Notched belt

Hurco TM-6 Lathe
- X, Z Axis Travel: 7” x 14”
- Swing Over Cross Slide: 9.4”
- Distance Between Centers: 15.8”
- Max Cutting Diameter: 12.4”
- Max Cutting Length: 13.4”
- Bar Capacity: 1.77”
- Turret Index Time - Adjacent: 0.5 sec
- Positioning: ±0.0002
- Repeatability: ±0.0001
Horizontal Machining Centers

2012 Makino a51nx
- Pallet: 15.7" x 15.7"
- Travel (X,Y,Z): 22" x 25.2" x 25.2"
- Spindle: 14,000 rpm (14K High Torque, 20K)
- Rapid Traverse: 2,362 ipm
- Cutting Feedrate: 1,968ipm
- Full B Axis
- ATC Capacity: 60 Tools
- Tool to Tool: 0.9 secs
- Chip to Chip: 2.2 secs

2012 Kitamura MyCenter HX250G
- Table Size: 10" x 10"
- Travel (X,Y,Z): 12" x 12" x 13"
- Spindle Speed: 15,000 rpm
- ATC Capacity: 40 Tools
- Full B Axis
- Tool to tool: 1.2 sec
- Chip to chip: 3.0 sec
- Rapid Feed (X,Y,Z x B): 1,890ipm x 12,000deg./min.
- Positioning Accuracy: ±0.000078"
- Full Stroke, Repeatability: ±0.000039"

2011 Mori-Seiki NH4000
- Travel (X,Y,Z): 22" x 22" x 24.8"
- Pallet: 15.748" x 15.748"
- Spindle: 14,000 RPM
- Rapid (X, Y, Z): 1,968.5 in/min
- ATC Capacity: 120 Tools
- Full B Axis
- Tool to tool: 0.9sec
- Chip to chip: 2.8sec
Horizontal Machining Centers

**Okuma Space Center MA-400HA**
With 12 Pallet Changer

- Max Machining Volume: 22.05 x 24.01 x 24.61
- Rotary Pallet Size: 15.75 x 15.75
- Spindle Speed: 15,000 rpm
- Rapid Traverse: 2,362 ipm
- Magazine Capacity: 198 Matrix Magazine
- Full B Axis
- Glass Scales
Vertical Machining Centers

**Brother TC-32B QT N**
- Travel (X,Y,Z): 21.7" x 15.7" x 16.3"
- Table positioning time: 3.4sec/180°
- Table change repeatability: 0.0004"
- Tool to tool: 0.9 sec
- Chip to chip: 2.0 sec
- Spindle: 16,000 rpm
- Rapid (X,Y,Z): 2,756 ipm
- ATC Capacity: 40 Tools
- Positioning accuracy: 0.0002" / 11.8"
- Repeatability: ± 0.00012"
- Full 4th Axis

**Hurco VMX-42**
- Travel (X,Y,Z): 42" x 24" x 24"
- Table Size: 50" x 24"
- Rapid IPM (X,Y/Z): 1,378 / 1,181
- ATC Capacity: 24 Tools
- Positioning: ±0.0002"
- Repeatability: ±0.00011"
- Full 4th Axis
- WinMAX Control System