

MACHINE SHOP CAPABILITIES

MILLS

1. Cincinnati Milacron Lancer 1250 Machining Center
 - Table Size - 30" x 60"
 - Table Load Capacity - 4,410 lbs.
 - Tool Capacity - 30 Tools, 50 Taper
 - Machining Envelope - X-50", Y-30", Z-30"
 - Spindle H.P. - 25 H.P.
 - Pallet Changer Attachment - Midaco #M5030 - Manual System
 - Jorgenson Automatic Chip Conveyor Attachment

2. Cincinnati Milacron Sabre 1000 Vertical Machining Center
 - Table Size - 20" x 44"
 - Table Load Capacity - 1,540 lbs.
 - Tool Capacity - 21 Tools, 40 Taper
 - Machining Envelope - X-40", Y-20", Z-27"
 - Spindle H.P. - 15 h.p.
 - Accuracy - Positioning +/- .00016, Repeatability .00004
 - Control - Acramatic 2100 MC, Fully CadCam capable

3. Defum Horizontal Boring Mill
 - Equipped With 3 Axis Fanuc OM CNC Control
 - Spindle Diameter - 115 MM 4 1/2"
 - Spindle Speeds - 5 - 1,000 RPM
 - Travels - X63", Y60"x Z78"
 - Table Size - 55' x 63" Power Rotary
 - Rotary Table
 - Outboard Support
 - Motor - 25 HP

4. G & L- Fraser Horizontal Boring Mill
 - Bar - 5.12"
 - Vertical Travel - 72"
 - Cross Travel - 132"
 - Motor - 30 HP
 - Maximum Table Load - 45,000 lbs.
 - Equipped With 3-Axis D.R.O. - 0.0005 Resolution
 - Equipped With Numberset Dial-in Positioning and Machining System

5. Nomura Horizontal Boring Mill
 - Bar - 85 MM (3.346")
 - Vertical Travel - 40"
 - Cross Travel - 40"
 - Longitude Travel - 24"
 - Spindle Travel - 20"
 - Table Size - 39" x 35"
 - Spindle Motor - 20 HP
 - Feed Motor - 5 HP
 - Maximum Table Load - 5,500 lbs
 - Equipped With D.R.O. - .0001 Resolution
 - Rotary Table

MILLS (Continued)

6. (2) Lagun Vertical Milling Machines
 - Table - 10" x 44"
 - Motor - 3 HP
 - Equipped With D.R.O. - .0001 Resolution
 - Quick Change Spindle
7. Alliant Vertical Milling Machine
 - Table - 9" x 42"
 - Motor - 2 HP
 - Equipped With D.R.O. - .0005 Resolution
 - Comparable To Series 1 Model 2J Bridgeport
 - Universal Head

LATHES

1. 48" Schiess Vertical Turret Lathe
 - Table Diameter - 47"
 - 4 Jaw Chuck
 - Swing - 55"
 - Side Head Down
 - Motor - 50 HP
 - 45" Clearance Under Cross Rail
 - Turret Head (5) Positions, Side Head (4) Positions
 - Equipped with D.R.O. - .0005 Resolution
2. Tuda Jumbo Heavy Duty Engine Lathe
 - Swing Over Bed - 50"
 - Swing Over Cross-Slide - 36"
 - Swing In Gap - 65 3/8"
 - Length Center To Center - 180"
 - Spindle Bore - 3 1/8"
 - Maximum Weight Supportable Between Centers - 16,500 lbs.
 - Maximum Weight With Center Rest - 19,800 lbs.
 - Motor - 30 HP
 - Equipped with D.R.O. - .0005 Resolution
3. Turret Lathe W & S Model 4A
 - Saddle Type
 - Chuck - 24"
 - Spindle Bore - 8"
4. Kingston Engine Lathe
 - Swing Over Bed - 30"
 - Swing Over Cross-Slide - 20 3/4"
 - Swing In Gap - 40 1/2"
 - Length Center to Center - 120"
 - Spindle Bore - 4"
 - Motor - 20 HP
 - Equipped With D.R.O. - .0005 Resolution

LATHES (continued)

5. Cadillac Engine Lathe
 - Swing Over Bed - 22"
 - Swing Over Cross-Slide - 15"
 - Swing In Gap - 31"
 - Length Center To Center - 100"
 - Spindle Bore - 2 7/32"
 - Motor - 10 HP
 - Equipped With D.R.O. - .0001 Resolution

6. Clausing Engine Lathe
 - Swing - 18"
 - Centers - 60"
 - Equipped with D.R.O. - .0001 Resolution
 - O.D. And I.D. Grinding Attachments

7. Clausing Tool Room Lathe
 - Electronic Variable Speed
 - Swing - 13"
 - Centers - 60"
 - Equipped with D.R.O. - .0001 Resolution
 - O.D. And I.D. Grinding Attachments

GRINDERS

1. AMW Surface Grinder
 - Magnetic Table - 18" x 48"
 - Head Travel - 18"
 - Wheel Size - 14" Diameter x 1 1/2" Wide

2. K.O. Lee Universal Tool & Cutter Grinder
 - Model BA900 With Model BA960 Heavy Duty Spindle
 - All Standard Accessories

MISCELLANEOUS

1. Climax Portable Line Boring Machine
 - Capacity - 1.50 to 24" Diameter
 - Facing To - 18 1/4" Diameter
 - Motor - 5 HP
 - Torque - 292 FT/LB
 - 16 - 58 RPM

2. Cadillac Hydraulic Tracer
 - Model 1000B Heavy Duty
 - Travel - 11"
 - 360 Degree Control Valve

3. Hydraulic Press
 - Capacity - 80 Tons
 - Distance Between Rails - 8"
 - Distance Between Side Rails - 48"
 - Longest Workplace Capacity - 63"

MISCELLANEOUS (Continued)

4. Electric Heat Treat Furnace (Century)
Model AH S/N A19300
Maximum Temperature - 1,850 Degrees F
Size I.D. - 18" W x 10" H x 36" L
Size O.D. - 43 ½"W x 82 ½"H x 66 ½"L
Loading Height - 36"
Electrical - 220V/32Kw/3Hz
5. Automatic Marvel Saw - Series 81A - Capa. 18" x 20"
6. Eutectic Metal Spray Systems
7. Flexarm Table Mounted Hydraulic Tapping Machine
Capacity - 1 3/8" Tapping
8. 14" Optical Comparator S-T Model 3000 with DRO
9. AutoCad 2000, Virtual Gibbs CadCam Network Throughout Via RS232
10. EDI Capability For Electronically Sending Request For Quotations, Purchase Orders & Invoices
11. E-Mail Address - ccc@cccgrouppinc.com. CAD drawings can be received by e-mail for plotting or post processing into machining code
12. Plant Area - 15,420 Square Feet Under Roof

WELDING EQUIPMENT

1. Lincoln Idealarc R3S
Power Supply - 650 AMP with LN-9
Wire Feeder
2. Miller Welder - 250 AMP AC/DC.