



OFFICE AREA FLOOR PLAN

Verify Correct Revision Prior to Use – Reference QL 4.2.3-1

Section/Owner:	Administrative/ President	
Reviewed and Approved by:	Denny Karas/President	Date: 09/01/09



SHOP AREA FACILITIES

CNC LATHES:

- 1 **(DOOSAN)**
 CNC Doosan Puma 240B Turning Center 25 H.P.
 2 ½ “ Bar Capacity
 8 “ Chuck Capacity
 12 Station Turret

- 1 **(MIYANO)**
 CNC Miyano Turning Center 15 H.P.
 1 ¾” Bar Capacity
 6” Chuck Capacity
 8 x 2 Station Turret

- 1 **(EMCO)**
 CNC Emco Maier Turning Center 20 H.P.
 1 ¾” Bar Capacity
 6” Chuck Capacity
 8 Station Turret

- 1 **(KIA 2)**
 CNC Kieturn 15 Turning Center 15 H.P.
 1 5/8” Bar Capacity
 6” Chuck Capacity
 12 Station Turret

- 1 **(KIA 1)**
 CNC Kieturn 21 Turning Center 20 H.P.
 2” Bar Capacity
 8” Chuck Capacity
 10 Station Turret

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SHOP AREA FACILITIES (CONTINUED)

- 1 **(KIA 3)**
 CNC SuperKiaturm 21B Turning Center 20 H.P.
 2½” Bar Capacity
 10” Chuck Capacit
 12 Station Turret

- 1 **(KIA 4)**
 CNC SuperKiaturm 15 Turning Center 20 H.P.
 1¾” Bar Capacity
 8” Chuck Capacity
 12 Station Turret

MANUAL LATHES:

- 1 **(HARDINGE)**
 Hardinge Super Precision Chucker
 1” Bar Capacity
 6” Chuck Capacity
 8 Station Turret w/ Threading Attachment

- 1 **(SHELDON)**
 Sheldon 13” Engine Lathe

- 1 **(CLAUSING)**
 Clausing 13” Engine Lathe
 6 Station Turret Attachment

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SHOP AREA FACILITIES (CONTINUED)

CNC MILLING MACHINES:

- 1 **(FAD 1)**
 CNC Fadal VMC40 Machining Center
 21 Station Automatic Tool Changer
 16" x 39" Table
 4th Axis Turning Table

- 2 **(FAD 2 and FAD 3)**
 CNC Fadal VMC15 Machining Center
 21 Station Automatic Tool Changer
 16" x 29.5" Table

- 1 **(MV Jr)**
 CNC Mori Seiki MVJr. Machining Center
 16 Station Automatic Tool Changer
 16" x 35.4" Table
 Computer Controlled Indexing Head

MANUAL MILLING MACHINES:

- 1 **(BRIDGEPORT)**
 Bridgeport Milling Machine
 12" x 42" Table w/ Power Feed

- 1 **(WELLS INDEX)**
 Wells-Index Milling Machine
 12" x 48" Table w/ Power Feed

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SHOP AREA FACILITIES (CONTINUED)

MISCELLANEOUS PRODUCTION EQUIPMENT:

- 1 Precision Surface Grinder, Chevalier
- 1 Diamond Precision Tool Grinder
- 1 Automatic Band Saw, Cosen
- 1 Band Saw, Wells
- 1 Lead Screw Tapping Machine
- 10 Drill Presses
- Tapping Attachments
- Precision Servo Micro-Drill Press
- Turn Tables
- Indexers
- Dumore Grinding Attachment
- Boring and Facing Heads
- Etc.

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SHOP AREA FACILITIES (CONTINUED)

INSPECTION EQUIPMENT:

- 1 Statistical Process Control Computer
- 1 14” Optical Comparator w/ Metrology Computer .0001 Increment
40 x Lens
- 1 12” Optical Comparator
20 x and 50 x Lens
- 1 Starret Master Surface Plate 18” x 24”
- 1 Surface Plate Grade 2 18” x 24”
- 2 Johnson Thread Gage Systems
- 1 Hardness Tester
- 1 Thread Trend Gaging System
- 2 Digimatic Data Processors
- 5 Internal Bore Micrometers .075” thru 4.0”
- 1 Set Dial Bore Gage .05” thru 6.0”
- 1 Surfrest Surface Finish Gage
- 2 Digimatic Height Gage 12”
- 1 Edmund Air Gage .000020” Resolution

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SHOP AREA FACILITIES (CONTINUED)

INSPECTION EQUIPMENT (continued):

Digimatic Micrometers, Digimatic Calipers, Digimatic Indicator

Micrometer Sets 0-6"

Screw Thread Micrometers

Disc, Anvil, Blade, Point, Depth Micrometers

Calibration Grade Gage Block Sets

Production Grade Gage Block Sets

Plug Gages .011" thru 1.000" (.001 increments)

Thread Plug Gages, Thread Ring Gages (various sizes)

100 power Microscope .00010" Resolution

Sine Plate, Sine Bar, Square, Protractor, Special Indicators

Etc.

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OFFICE EQUIPMENT / PRODUCTION SUPPORT EQUIPMENT

- 1 Gateway Computer Server
Windows 2000 Server operating system

- 7 Networked Computer Workstations
Windows 98/ XP/ Vista operating system

- 1 MasterCam 9.0 CAD/CAM NC programming software

- 1 QuickLink DNC software

- 1 Peachtree Accounting software

- 1 Visual EstiTrack ERP Shop Management software

Ample Storage Locations for WIP, Finished Goods, Raw Material, Special Tooling, etc.

Ample Storage for Paper Files, etc.

Workbenches, Conference Area, etc.

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