

# PL MFG, Division of Dynamics 360, Inc.

## CNC Turning Machines

### HAAS model HL-1:

Chuckling Lathe  
20 H.P. Spindle  
8" Power Chuck  
10 Station Tool Turret

### HAAS model HL-2:

Chuckling Lathe  
10" (Diam.) x 20" Capacity  
20 H.P. spindle drive  
10 Station Tool Turret  
Fully Programmable Tailstock

### HAAS model SL-30:

Chuckling/ Bar-Working Lathe  
14.5" (Diam.) x 34" Chucking Capacity  
2 1/2" Diam. Max Bar-feeding Capacity  
30 H.P. spindle drive  
12 Station Tool Turret  
Fully Programmable Tailstock  
Automatic Parts Catcher

### Daewoo model Lynx-A:



Chuckling/ Bar-Working Lathe  
11" (Diam.) x 12.7" Chucking Capacity  
1 3/4" Diam. Max Bar-feeding Capacity  
10 H.P. spindle drive  
12 Station Tool Turret  
Programmable Tailstock  
Automatic Parts Catcher  
**12' Hydrotum Barfeeder**

## CNC Turning Machines, cont.

Daewoo model Puma 200:

Chuckling Lathe  
15 H.P. Spindle  
8" Power Chuck  
10 Station Tool Turret  
Tailstock

Kia model 21LMS:

Chuckling / Bar-working Lathe  
Sub-spindle  
4th Axis Milling  
20 H.P. main spindle drive  
5 H.P. sub-spindle drive  
12 Station Tool Turret  
Parts Catcher  
**Iemca- Boss 547 12' mag. bar-feeder**

Daewoo model Puma 6S:

Chuckling / Bar-working Lathe  
15 H.P. Spindle  
10 Station Tool Turret  
Tailstock  
12' Hydrostatic Bar-Feeder

## Screw Machines

(3) 1 5/8" Traub TNM42  
Single-spindle CNC  
Screw Machine

12' Magazine Bar Feeder  
(2) Back-Working  
(2) Pick-off Spindle



# CNC Milling Machines

Daewoo model DMV-400:	Pallet-changing VMC 22" x 22" x 16" (x,y,z) travels 10,000-RPM Max spindle speed
HAAS model VF-4APC:	Pallet-changing VMC 50" x 20" x 25" (x,y,z) travels 20 H.P. Geared spindle drive 7500-RPM Max spindle speed Full-4th Axis Machining Coolant-through Spindle Pallet Changer Part-Probing System
HAAS model VF-0E:	Verticle Machining Center 30" x 16" x 20" (x,y,z) travels 20 H.P. spindle drive 10,000-RPM Max spindle speed Full-4th Axis Machining
Kitamura Mycenter 6:	Verticle Machining Center 50" x 25" x 25" (x,y,z) travels 50-Taper, 3-stage geared spindle Full-4th Axis Machining capable
Daewoo model H50-S:	Pallet-changing HMC 25" x 25" x 25" (x,y,z) travels 50-Taper, 3-stage geared spindle
Mitsubishi model MH5B:	Pallet-changing HMC Cat 50 Taper Integrated Spindle 25" x 25" x 25" (x,y,z) travels 30 H.P. spindle drive 12000-RPM Max spindle speed High Pressure TSC 1,575 IPM Rapids
Mitsubishi model MH4B:	Pallet-changing HMC Cat 40 Taper Integrated Spindle 25" x 22" x 25" (x,y,z) travels 30 H.P. spindle drive 12000-RPM Max spindle speed High Pressure TSC 1,575 IPM Rapids



## CNC Machining Capabilities

### Milling Capabilities (20 h.p.)

Horizontal: 31" x 26" + 4th Axis

Vertical: 50" x 25" + 4th Axis

### Turning Capabilities (10-30 h.p.)

Bar Feed: up to 2 1/2" Round

Chucking: up to 14 1/2" diam. x 34" long

### Screw Machines

1/8" Diam. – 1 5/8" Diam. Capacity

# Miscellaneous Equipment

## Induction Heat-Treating Machine:

20 KW power  
Localized-treating  
Up to 1 1/4" (Diam) x 1"



- Band Saw
- Sanders
- Grinders
- Buffers
- Bridgeport milling machines
- 2<sup>nd</sup> Op. machines



# Inspection Equipment

- Rockwell Hardness Tester
- Height Gages
- Ring Gages
- Plug Gages
- Calipers (digital and dial)
- Inside and Outside Micrometers (digital and dial)
- Bore Gages
- Surface Roughness Gages
- Optical Comparator
- CMM- Numerex BT 1518-10 DCC  
(.00035") Volumetric Accuracy  
CMM-Manager DCC Software



We have our own inspection laboratory for performing calibrations traceable to NIST.