



CNC 3-Axis

## Yasda YMB-950V

Spindle Speed: 100-24,000 RPM  
 Tool Changer: 30 BT40  
 Weight Capacity: 1,760 lbs  
 X Travel: 35.4"  
 Y Travel: 19.7"  
 Z Travel: 13.8"



CNC 5-Axis

## Deckel DMU 100

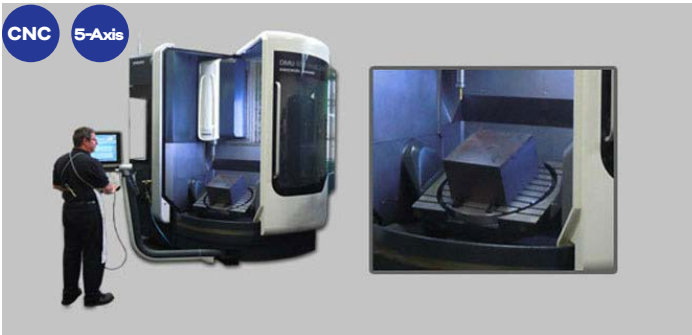
Spindle Speed: 18,000 RPM  
 Auto Tool Changer: 60 Tool ATC  
 Weight Capacity: 2,404 lbs  
 X Travel: 49"  
 Y Travel: 28"  
 Z Travel: 28"



CNC 5-Axis

## Deckel DMU 80

Spindle Speed: 18,000 RPM  
 Auto Tool Changer: 32 Tool ATC  
 Weight Capacity: 1,763 lbs  
 X Travel: 31.60"  
 Y Travel: 24.80"  
 Z Travel: 24.80"



CNC 5-Axis

## Deckel DMU 65 MonoBlock

Spindle Speed: 18,000 RPM  
 Auto Tool Changer: 60 Tool ATC  
 Weight Capacity: 1,100 lbs  
 X Travel: 25.60"  
 Y Travel: 25.60"  
 Z Travel: 22.10"



CNC 4-Axis

## OKK HM1000S

Spindle Speed: 12,000RPM  
 Auto Tool Changer: 60 Tool ATC  
 Weight Capacity: 5,500 lbs  
 X Travel: 55.12"  
 Y Travel: 43.31"  
 Z Travel: 39.37"  
 Other: 50 Taper



CNC 3-Axis

## OKK VM76

Spindle Speed: 14,000 RPM  
Auto Tool Changer: 30 Tool ATC  
Weight Capacity: 3,307 lbs  
X Travel: 60.63"  
Y Travel: 29.92"  
Z Travel: 25.98"  
Other: 40 Taper



CNC 3-Axis

## OKK Nidec VM76R11

Auto Tool Changer: 30  
Weight Capacity: 3,307 lbs  
X Travel: 60.6"  
Y Travel: 29.9"  
Z Travel: 26.0"



CNC 3-Axis

## OKK VB53

Spindle Speed: 0-20,000 RPM  
Tool Changer: 30 CAT 40  
Weight Capacity: 2,646 lbs  
X Travel: 41.3"  
Y Travel: 20.8"  
Z Travel: 20.1"



CNC 3-Axis

## Kitamura Bridge 8

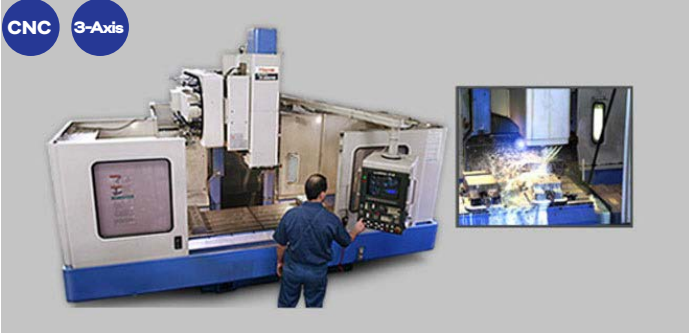
Spindle Speed: 10,000 RPM  
Auto Tool Changer: 40 Tool ATC  
Weight Capacity: 6,600 lbs  
X Travel: 80.00"  
Y Travel: 42.70"  
Z Travel: 28.00"



CNC 3-Axis

## Mori Seiki NVD 5000

Spindle Speed: 20,000 RPM  
Auto Tool Changer: 30 Tool ATC  
Weight Capacity: 2,200 lbs  
X Travel: 31.50"  
Y Travel: 20.10"  
Z Travel: 20.10"



## Mazak V655/60

Spindle Speed: 6,000 RPM  
 Auto Tool Changer: 30 Tool ATC  
 Weight Capacity: 4,400 lbs  
 X Travel: 59.05"  
 Y Travel: 25.59"  
 Z Travel: 25.59"



## Poto-Trak VMC7

Spindle Speed: 8,000 RPM  
 Auto Tool Changer: 16 Tool ATC  
 Weight Capacity: 1,000 lbs  
 X Travel: 30"  
 Y Travel: 20"  
 Z Travel: 20"  
 Other: 40 Taper



## FANUC Robo Drill

Spindle Speed: 24,000 RPM  
 Auto Tool Changer: 21 Tool ATC  
 Weight Capacity: 661 lbs  
 X Travel: 27.55"  
 Y Travel: 15.74"  
 Z Travel: 12.9"  
 Other: BT30 Taper



## Ingersoll Gantry 1200

Auto Tool Changer:  
 Up to 20 position Tool ATC  
 Weight Capacity: 16,500 lbs  
 X Travel: 39.4"  
 Y Travel: 49.2"  
 Z Travel: 23.6"  
 Full C-Axis capability



## Ingersoll Gantry Eagle 800

Auto Tool Changer: 20 Tool ATC  
 Weight Capacity: 4,400 lbs  
 X Travel: 21.6"  
 Y Travel: 33.5"  
 Z Travel: 17.7"  
 Full C-Axis capability

CNC EDM



## Mitsubishi EA12D with robot

Auto Tool Changer: 3R robot  
with 152 Electrode positions  
Weight Capacity: 2,200 lbs  
X Travel: 15.70"  
Y Travel: 11.80"  
Z Travel: 11.80"  
Full C-Axis capability

CNC EDM



## MITSUBISHI EA12D

Auto Tool Changer: 24 Tool ATC  
X Travel: 15.7"  
Y Travel: 11.8"  
Z Travel: 11.8"  
Full C-Axis capability

CNC 4-Axis



## ROKU-ROKU HC-658

Spindle Speed: 32,000 RPM  
Auto Tool Changer: 30 Tool ATC  
Weight Capacity: 440 lbs  
X Travel: 23.60"  
Y Travel: 19.70"  
Z Travel: 15.70"

CNC 3-Axis



## ROKU-ROKU HC-548EX

Spindle Speed: 32,000 RPM  
Auto Tool Changer: 12 Tool ATC  
Weight Capacity: 440 lbs  
X Travel: 18.10"  
Y Travel: 14.10"  
Z Travel: 10.20"

CNC



## Trak Trl 1630 CNC Lathe

CNC Turning center  
Spindle Speed: 40,003 RPM  
3 Axis CNC Machining center  
16" Swing  
30" btwn centers



**(3) Proto TRAK DPM SX2**

Spindle Speed: 4,200 RPM  
Weight Capacity: 1,320 lbs  
X Travel: 31.00"  
Y Travel: 16.00"  
Z Travel: 23.50"

# Kiosk

- ⚙️ 1 Matrix Maxi Tool Dispenser



- Fully integrated and networked tool vending machine
- 500 tool capacity

- ⚙️ Cabinet organization



## Duplicators

- ✿ 1 Deckel KF 12 Duplicator
- ✿ 1 Deckel GK21 Duplicator/Panograph

## Grinders

### Grinders Surface

- ✿ 1 Chevalier Fully Automated Grinder 24" x 60"
- ✿ 3 Okamoto Model 124 DX 12" x 24" Hydro-Wet with Digital Controls
- ✿ 2 Okamoto Linear Model 6-18B 6" x 18" x 24" Dry
- ✿ 1 Brown & Sharp 618 Mico-Master Dry
- ✿ 1 Brown & Sharp 612 Mico-Master Dry with optical dresser
- ✿ 1 Boyar Schultz Super Model 10" x 18" Fully Automatic Wet
- ✿ 1 Okamoto 612 Linear with optical dresser
- ✿ 1 Harrig 6" x 12" Dry
- ✿ 1 Boyar Schultz Deluxe Model 6" x 12" Dry

### Cutter Grinders

- ✿ 1 S1 Universal Deckel Cutter Grinder
- ✿ 4 SO Deckel Cutter Grinders
- ✿ 1 Darex Drill Point Grinder
- ✿ 1 U.S. Tool 5 H.P. Tool Grinder
- ✿ 6 Bench Grinders

## Milling Equipment

- ✿ 1 Series II Special 2 H.P. Bridgeport with Extended Column
- ✿ 4 Series I, 2 H.P. Bridgeport with Anilam 99 Memory Digital Readout

## Saws

- ✿ 1 Marvel Series 8 Mark III band saw
- ✿ 1 DoAll 16" Band Saw with Hydraulic Table

## Drill Presses & Lathes

### Drill Presses

- ✿ 1 Carlton Radial 13" Column 4' Arm
- ✿ 1 American Hole Wizard Radial 11" Column 4' Arm

### Lathes

- ✿ 1 Proto Trak Tri 1630 HS CNC Lathe
- ✿ 1 Mori-Seiki 17" Tracer Lathe
- ✿ 1 Hardinge Model HLV-H Precision Lathe with Threading

## Welding Equipment

- ✿ 1 Alliance Laser Welder 350 watt



- ✿ 1 Linde UCC305 AC/DC Heliarc
- ✿ 1 Rocklin "Mold Mender" Micro Welder
- ✿ 1 Miller Portable AC/DC Heliarc 100 Amp
- ✿ 1 Acetylene Welding outfit
- ✿ 1 Waage Electric Hot Plate 18' x 24"
- ✿ 1 Dry Rod Electrode Stabilizing Oven

## Sandblasters

- ✿ 1 Empire PF3648 Glass Bead System
- ✿ 1 Vapor Blast Liquid Honing Machine
- ✿ 1 Portable Sandblast Machine

## Tryout & Fitting Presses

- ✿ 1 Reis Tryout Press TUS115 36" x 56" x 36" with Molding Unit
- ✿ 1 DME Jiffyshot Mold Sampler
- ✿ 1 PD Injecto Hand Molding Press

## Mold Testing:

Available from Affiliate from 90 ton to 950 ton. Mold testing available as required.



## Compressors

- ✿ 1 Kaeser SK 30T Compressor
- ✿ 1 Kaeser SK 15T Compressor
- ✿ 2 Gardner Denver - Electra-Screw 25 H.P.
- ✿ 1 Ingersoll Rand 5 H.P.

## Shipping & Handling

### Handling Equipment

- ✿ 1 Die-Sep Mold Separator and Flipper (50,000 lbs.)
- ✿ 1 Mold flipper
- ✿ 5 Robbins and Myers 5 Ton Electrical Bridge Crane & Hoist
- ✿ 1 Wright 1/2 Ton Crane and Electrical Hoist
- ✿ 1 Catapiller Fork Lift Truck (15,000 lbs)
- ✿ 1 Clark Fork Lift (10,000 Lbs.)
- ✿ 1 Yale Fork Lift (7,000 Lbs.)
- ✿ 5 Hydraulic lift trucks
- ✿ 1 Winch lift truck
- ✿ 1 Pallet jack
- ✿ 50 Various Die Trucks

### Delivery Equipment

- ✿ 1 Sterling Rack Body Diesel (GVWR 26,000 lbs, C-6500 Series, Mercedes Diesel Engine)
- ✿ 1 Ford F750 Pickup (GVWR 26,000 lbs, Cummins Diesel Engine)
- ✿ 1 Ford F350 Super Duty (Max Pay Load 7,260 lbs)
- ✿ 1 Chevy Colorado Pickup
- ✿ Ground level and adjustable loading docks

## Computers, Engineering and Software

L&Z is a fully networked facility which allows for ease of information transfer from one department to another. Numerous work stations are located building. We have the capability to read in and translate most file formats.

## Quality Control Equipment

⚙ 1 Jones & Lamson EPIC 130A 30" screen with digital plotter



⚙ 1 Jones and Lamson Optical Comparator 30" x 10" table with 14" screen and digital read-outs

⚙ 3 Granite Layout Tables 4' x 5'

⚙ 1 Granite Layout Table 3' x 6'

⚙ 1 Wilson Rockwell Tester

⚙ 2 Portable Rockwell Testers

⚙ 14 Various Granite Layout Tables 12" x 18"

⚙ 10 Various Cast Iron Surface Tables 16" x 24"

Plus a full compliment of certified measuring equipment and gauges

## Specialized Equipment

- ✿ 1 CoolingCare advanced channel cleaning equipment



- ✿ 1 DME 12 zone manifold controller
- ✿ 1 PCS multi-zone manifold controller

## Miscellaneous Equipment

- ✿ Tooling Inventory System
- ✿ Ejector Pin Cutter