

M & M Machining, LLC

Equipment List

REVISION HISTORY			
REV	Description of Change	Author	Effective Date
0	Initial Release	S. Amador	2/16/2015
1	Added equipment	S. Amador	3/12/2015

CNC Lathe

Romi G20

Swing over "Z" cover, 17.3"
Max. Cutting Dia. - 11.0"
Maximum cutting length, 21.2"
Chuck size, 8"
Spindle nose, A2-6"
Spindle hole, 2.55"
Bar capacity, 2"
X-Axis, 7.9"
Z-Axis, 21.2"
Tailstock Body Travel - 12.4"
Fanuc 21iT CNC Control
8" 3-jaw Hydraulic Chuck
Tailstock

Mori Seiki SL-2 CNC Turning Center

Swing Over Bed 22.4"
Swing over Front Cover 15.7"
Swing Over Carriage 20.0
Swing Over Cross Slide 13.7"
Max. Longitudinal Travel / Work's Length 14.1"
Max. Cross Travel 6.3
Hole Thru Spindle \varnothing 2.04
Hydraulic Chuck 8" 3 jaw
Main Motor 15 HP

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Hole Thru Spindle \varnothing 2.04
Hydraulic Chuck 8" 3 jaw
Main Motor 15 HP

Nakamura TMC 5 CNC Turning Center

Bar capacity 3.54
Hole through spindle 4.33"
Chuck size 15"
Swing over bed 31.89"
Swing over saddle 19.69"
Max turning diameter 25"
Distance between spindle nose and dead center 54.51"
Distance between spindle nose and turret 51.97" (MAX) 8.66" (MIN)
Fanuc 6T CNC control
15" Hydraulic chuck
Tail stock
Chip conveyor

CNC Mill

Bridgeport VMC 1000/22

Vertical machining center
Travel: x-axis 40.2"
Travel: y-axis 20"
Travel: z-axis 19.7"
Table size: 45.3" x 19.3"
Spindle motor: 25 hp
Table load capacity: 1980 lbs
Equipped with: HIEDENHEIN TNC 370 CNC control

Leadwell V-20

X / Y / Z Axis Travel: 20.0"/14.0"/21.0"
Table Size (LXW): 23.0"x14.0"
Spindle Motor (HP):15
Fanuc OiMD
Rigid tapping
Shower coolant
Heat exchanger
Full guarding
Coil type chip conveyor
Work light Alarm lamp

Leadwell V-20

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Table Size (LXW): 23.0"x14.0"
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Fanuc OiMD
Rigid tapping
Shower coolant
Heat exchanger
Full guarding
Coil type chip conveyor

Work light Alarm lamp

CNC Plasma torch

Power Max 380
X/Y 24"/24"
½" Capacity

CNC Engravers

Styliner Mark 3 Engraver
2"x3" Standard marking fields
Manual Z-Axis for up to 12" of marking height
85 psi, 2-3 CFM Ave.
Carbide and diamond stylus pins
Fully programmable
Straight, angular, radial, and circular marking capability as well as logos/graphics

Styliner Mark 4
4" x 4" Standard marking fields
Manual Z-Axis for up to 12" of marking height
85 psi, 2-3 CFM Ave.
Carbide and diamond stylus pins
Fully programmable
Straight, angular, radial, and circular marking capability as well as logos/graphics

HEM Band saw

Fully Automatic Horizontal Band Saw
Machine 11.75" x 11.75"

Ultramatic Part Tumbler

4.5 Cubic Ft.
Part debur system
Several different types of deburring/polishing media

Coordinate Measuring Machine

Brown & Sharpe Validator
24" x 18" x 12"
Reflex software
Calibrated by Midwest CMM services
NIST# 681/280 800-IL
ISO- 9001 Registered
ISO-17025 Accredited

Quality Control

(See attached calibration sheet)

Part Marking

Matthews pneumatic part stamper, capable of OD and flat stamping

Hermes Vanguard 1000 full auto engraver

Hand stamps/hand engravers

Manual Machines

Supermax manual mill

Digital readouts X&Y
Table Size 9"X49"
Table Load 650Lbs.
Table Travel X Axis 38"
Table Travel Y Axis 15.5"
Knee Travel Manual 16"
Spindle Quill Travel 5"
Power feeds

Alzmetall drill press

36" Z travel
24"x24" Table
Power feed
Coolant feed
Gang drill setup

Horizontal Milling Machine

Kearney & Trecker Model H
10X50 Inch Table
Power feeds XYZ
Coolant fed

General Fabrication

Miller TIG Welder

Syncrowave 180 SD
TIG (GTAW) Welding
Stick (SMAW) Welding

Miller MIG Welder

Model CP-300

Millermatic 10A Wire feeder

30 ton Electric/hydraulic press

Misc. drill presses

6,000 lbs forklift