



May Custom Manufacturing, Inc.

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Equipment List

Milling Machines:

VB100 FRYER Open Machining Center

- Tool storage capacity – 24 position arm type
- X Travel (100in.)
- Y Travel (35in.)
- Z Travel (26in.)
- Table Size (30in. x 112in.)
- 25 Horsepower Motor
- Fryer Touch 2100 Control (Siemens 840D Platform)
- 40 Taper Spindle

(4) VM30i HURCO Machining Centers

- Tool storage capacity – 20
- X Travel (50in.)
- Y Travel (20in.)
- Z Travel (20in.)
- Table Size (52in. x 20in.)
- 20 Horsepower Motor
- Hurco WinMax Control
- 40 Taper Spindle

VM10i HURCO Machining Centers

- Tool storage capacity – 20
- X Travel (26in.)
- Y Travel (16in.)
- Z Travel (20in.)
- Table Size (30in. x 16in.)
- Hurco WinMax Control
- 40 Taper Spindle

M500 FRYER 3-Axis CNC Bed Mill

- X Travel (50in.)
- Y Travel (25in.)
- Table Size (17in. x 63 in.)
- 10 Horsepower Motor
- Anilam 3300MK Controller
- 40 Taper Spindle

LAGUN 3-Axis CNC Vertical Milling Machine

- X Travel (26in.)

- Y Travel (14in.)
- Table Size (10in. x 50 in.)
- 3 Horsepower Motor
- Anilam 1100 Controller
- 30 Taper Spindle

Willis 2-Axis Vertical Milling Machine

- X Travel (24in.)
- Y Travel (14in.)
- Table Size (10in. x 50in.)
- 3 Horsepower Motor
- Anilam 3200MK Controller

MB-14 FRYER 3-Axis CNC Bed Mill

- X Travel (40in.)
- Y Travel (20in.)
- Z Travel (21in.)
- Table Size (16 in. x 54 in.)
- 10 Horsepower Motor
- Anilam 3000 Touch Controller
- 40 Taper Spindle

LAGUN 2-Axis FTV-2 Vertical Milling Machine

- X Travel (26in.)
- Y Travel (14in.)
- Table Size (10in. x 50in.)
- 3 Horsepower Motor
- Anilam 3000M Controller

Sharp OMV Vertical Milling Machine

- X Travel (36in.)
- Y Travel (16in.)
- Table Size (10in. x 50in.)
- 3 Horsepower Motor
- Anilam Wizard 800 DRO.

Lathes:

Samsung SL25BSY Multi-Axis CNC Lathe

- Swing Over Bed: 25.6"
- Max Turning diameter: 14.2"
- Max Turning Length: 19.9"
- Chuck Main: 10" / Sub: 8"
- Spindle Nose Main: A2-8 / Sub: A2-6
- Spindle Motor Main: 30hp / Sub: 20 hp
- Spindle Speed Main: 3,500 rpm / Sub: 4,000 rpm
- Bar Capacity Main: 3.03" / Sub: 2.04"
- Equipped with Lexair Rhinobar RB2.5 Barfeeder
 - Bar Diameter Range: 3/8"-2-1/2"
 - Maximum Bar Length: 12'

Sharp 22100B High Speed Precision Lathe

- Distance Between Centers (100in.)

- Swing Over Bed (22in.)
- Swing Over Cross-Slide (13.3in.)
- Spindle Bore (4in.)
- Spindle Speeds (15 to 1500rpm)
- Newall DRO
- Bison Set-Tru Chucks

Sharp 1660LV High Speed Precision Lathe

- Distance Between Centers (60in.)
- Swing Over Bed (16in.)
- Swing Over Cross-Slide (8.75in.)
- Spindle Bore (3-1/16in.)
- Spindle Speeds (40 to 2000 rpm)
- Newall DRO
- Bison Set-Tru Chucks

Alpha Plus 330S Lathe

- Distance Between Centers (40in.)
- Swing Over Bed (13in.)
- Swing Over Cross-Slide (8.281in.)
- Spindle Bore (1.656in.)
- Spindle Speeds (15 to 3500rpm.)
- Fanuc Controller
- Bison Set-Tru Chucks

Alpha Plus 400S Lathe

- Distance Between Centers (50in.)
- Swing Over Bed (15.750in.)
- Swing Over Cross-Slide (9.625in.)
- Spindle Bore (2.125in.)
- Spindle Speeds (15 to 2500rpm.)
- Fanuc Controller
- Bison Set-Tru Chucks

Grinders:

Chevalier FSG-6128A

- 2 Axis Automatic Surface Grinder
- Table Size (6in. x 18in.)

Saws:

Hyd-Mech Automatic Scissor Style Band Saw S-20A

- Capacity 13" x 18" Rectangular
- Capacity 13" Round
- 5 HP
- Mitering Capability

Scotchman 14in. Cold Saw

DoAll Model 2013-V Vertical Band Saw

Ellis Horizontal Mitre Band Saw Model #1600

Powermatic Model #: 66-TA Saw

- Table saw for cutting small plastic raw material

Hendrick Horizontal Panel Saw

- For cutting large plastic raw material
- Capacity up to 4in thick by 10ft long in UHMW

Software/Computer Equipment:

Solidworks 2017: 3D Computer Aided Design Software

SolidCAM 2017: 3D Computer Aided Machining Software

AutoCAD LT 2018: 2D Computer Aided Design Software

EdgeCAM 2014: 2D Computer Aided Machining Software

Quickbooks: Accounting Software

Miscellaneous Equipment:

1997 Yale Fork Lift 6500 LB Capacity

2006 Yale Fork Lift 5,000 LB Capacity

RNR-20 FlexArm Tapping Arm

- 700/200 RPM
- 29in. x 54in. x 1in Blanchard ground within .002 for flatness and parallelism

S-36 FlexArm Tapping Arm

- 400 RPM

Darex M5 Drill Bit Sharpener

Darex E-90 Endmill Sharpener

Delta Carbide Tool Grinder

Boring Heads by Criterion

Cabinet Blaster

- 48in. x 22in.

Inspection Equipment:

Mitutoyo Optical Comparator Model PH 3515-F

- Horizontal Profile
- 14in. Viewing Screen
- X Travel (10in.)
- Y Travel (6in.)
- 10x and 20x Power Lens
- Quadra-Chek 200 Readout

Mitutoyo Depth Micrometer

- Up to and including 12 in.

Mitutoyo Micrometer

- Up to and including 13 in.

Mitutoyo Digital Calipers (24in.)

Fowler Digital Calipers (40in)

Vernier Calipers

- Up to and including 80in.

Fowler Blade Micrometers

- 0-1
- 1-2
- 2-3
- 3-4

Mitutoyo Inside Micrometer

- Holtest Series 368
- .500 up to and including 7in.

Peacock Dial Bore Gauges

- Up to and including 6in. with .0001 indicator

Gauge Blocks

- 81 piece Grade B

Gauge Pins

- Minus .061 to 1.0

Granite Surface Plate Grade B

- 24in. x 36in.
- 12in. Height Gauge

Clark Hardness Tester CTT 8 Rockwell Type

Welding Equipment:

MIG Welders:

- Model # MILLERMATIC 200 (with spool gun)
- Lincoln Power MIG 350MP - K2403-2 (with push-pull gun for aluminum)

TIG Welder:

- Miller Syncrowave 250

Plasma Cutter – Hypertherm Powermax 85

Smith oxy-acetylene welder

Materials Stock:

Steels: Various sizes of rod and bar stock

Aluminum: Various sizes of rod and bar stock

UHMW:

- Full 4'x10' sheets thicknesses 1/16" and up. Thicknesses stocked up to 4".
- Rod diameters: 1/4" to 7"

Delrin/Acetal:

- Various sheet sizes: up to 3" thick
- Rod diameters: 1/4" to 5"

Nylon:

- Various sheet sizes: up to 3" thick
- Rod diameters: 1/4" to 4"

Polycarbonate Sheet:

- Sheets 48" x 96" in the following thicknesses : 1/8", 3/16", 1/4", 3/8", 1/2" (lower stock on thicker sheets)