



Equipment List

MASS Precision, Inc. 2010 Oakland Rd. San Jose CA 95131

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EQUIPMENT LIST – Precision Sheet Metal



EMLK Combo Punch/Laser

- 3 EA 3610 EMLK Servo-Electric 68" X 98" Brushed Table, 33 ton Turret Punch Press/4000 watt Laser
- 3 EA TK Automated unloader sorter.
- 2 EA ASR510M 5 Shelf Storage/Load System.



CNC Punching

- 2 EA Amada 3610 EMK Servo-Electric 58 station turret punch press with 68" X 98" brushed table.
- 2 EA MP1225NJ Load/Unloaders
- 1 EA RMP-510M Manipulator Load/Unloader



Press Brakes

- 2 EA Amada HG 1003 ATC with Tool Automation
 - 1 EA Amada HDS 2204NT 14' W/AMNC-PC control
 - 3 EA Amada HDS 1303NT 10' W/AMNC-PC control
 - 4 EA Amada RG-100, 10' long
 - 1 EA Amada RG-100, 8' long
 - 4 EA Amada RG- 80, 8' long
 - 4 EA Amada RG- 80, 6' long
 - 7 EA Amada RG- 50, 6' long
 - 4 EA Amada RG- 35, 4' long
 - 2 EA Amada RG- 25, 4' long
- (Brakes with NC9-EX back gage, except as noted)



LASER Cutting

- 1 EA Amada F1 Liner Drive Ultra High Speed 4000 Watt LASER with Table and ASLUL 300F1 Ladder Auto Loader/Unloader.



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Equipment List – Precision Machining and Frames



Waterjet Cutting

- 1 EA Flow Waterjet Model Mach4 4020C, 100hp Dynamic XD 5 Axis Nozzle.

CNC Machining

- 1 EA DMG Mori NMV 3000 HSC with AWC
- 1 EA Matsura Hplus-300 Mill
- 1 EA NLX2500sy Lathe
- 1 EA Citizen L20 Swiss Screw Machine
- 2 EA Fadal VMC 2216 Vertical Mill
- 3 EA Fadal VMC 4020 Vertical Mill
- 2 EA Fadal VMC 4020A Vertical Mill
- 2 EA Fadal VMC 4020 4th Axis
- 1 EA Fadal VMC 3016 4th Axis
- 1 EA Fadal VMC 5020 Vertical Mill
- 2 EA DMG DMU-50 5-Axis Mill
- 5 EA Haas MDC-500 Vertical Mill Centers
- 6 EA Haas VF2 Vert Mach Centers
- 1 EA Haas VF3 Vert Mach Centers
- 1 EA Haas VF4 Vert Mach Centers
- 1 EA Haas VF5 Vert Mach Centers
- 1 EA Haas VF6 Vert Mach Centers
- 1 EA Haas VF9 Vert Mach Centers
- 1 EA Haas VF-10 Vert Mach Center 120"x32"x 30"
- 1 EA Kitamura MyCenter 3Xi Mill
- 2 EA Kitamura MyCenter 3XiF Mill
- 1 EA Kitamura MyCenter 3XiH Vertical Mill
- 1 EA Haas EC-400 Horizontal Machining Center
- 1 EA Mori Seiki Mill MV-40 Vert Mill
- 1 EA Mori Seiki Mill NV-5000
- 1 EA Mori Seiki SV-50 Vertical Mill
- 1 EA A-55 Horizontal Machining Centers
- 2 EA Daewoo Puma 6G CNC Lathes W/Barfeeders
- 1 EA Mazak Intregrex 300S IV Mill/Turn
- 2 EA Mazak SQT 15MS CNC Lathes
- 2 EA Mazak SQT 18MS CNC Lathe with live tooling
- 1 EA Mori Seiki Lathe SL-303
- 1 EA Sodick AQ537L wire EDM w/CAD software
- 1 EA Sodick AG600L wire EDM w/CAD software
- 1 EA Sodick K1C EDM Drill
- 2 EA Mitsui MSG-205MH Surface Grinder
- 1 EA Okamoto LINEAR 612 Surface Grinder
- 1 EA ELB Star Reciprocating Surface Grinder
- 1 EA Hardinge HLV-H Tool Room Lathe
- 1 EA Hardinge DSM 59 Tool Room Lathe
- 1 EA Hardinge HC Tool Room Lathe
- 1 EA LeBlond Makino Regal Servo Shift Lathe
- 1 EA Soraluze TRO-1250 Radial Arm Drill
- 3 EA Bridgeport manual mill with EZ trak
- 1 Ea Bridgeport manual mill
- 1 EA Alliant manual mill
- 1 EA DoALL C-305NC Band Saw
- 1 EA Goff S-4 Extrusion Saw
- 1 EA Sidewinder HEM Saw
- 1 EA Zoller Smile 600-4 Tool Pre-setter
- 1 EA Trunnion TR210 5-axis Rotary Table

Welding



- 1 EA Amada FLW ENSIS Fiber Laser Welding
- 2 EA Motoman Robotic Welders
- 1 EA Fanuc ARC Mate Robotic Welder
- 2 EA Almega Robotic Welders
- 2 EA Dynamic Robotic Welders.
- 1 EA Amada ID40IV ST 80 kVA Spot Welder
- 1 EA Lincoln Squareware TIG 355
- 6 EA Miller Dynasty 350 TIG welder
- 5 EA Miller Syncrowave 250 TIG Welder
- 1 EA Miller Syncrowave 300 TIG Welder
- 1 EA Miller Syncrowave 350 TIG Welder
- 1 EA Miller CP-300 MIG Welder
- 1 EA Miller Millermatic 135 MIG welder
- 5 EA Millermatic MIG welder 250 MP (Digital settings)
- 1 EA Lincoln Fab-Pak MIG Robotic Cell
- 1 EA Miller Millermatic 350P MIG Welder
- 2 EA Acme spot welders 30 KVA
- 1 EA Sciaky 3 Phase 480V, 100 KVA Spotwelder
- 1 EA Pro-weld International CD 250 stud welder
- 1 EA TRW NCD 150 stud welder
- 1 EA Tepco air cleaner (Vacuum)
- 1 EA Aircology air cleaner (Vacuum)
- 4 EA Grinding/Finishing stations
- Air Exchange updraft ventilation system at every weld station

Paint / Silkscreen Equipment

- 1 EA 5-Stage Phosphate System
- 2 EA Hot-Water Pressure Wash Station
- 1 EA Powder Booth 16W X 8D X 8H
- 2 EA Powder Booth 12W X 8D X 10H
- 2 EA Powder Booth 10W X 8D X 10H
- 1 EA Prep Booth 8W X 8D X 8H
- 1 EA Prep Booth 12W X 12D X 8H
- 1 EA Filter-1 Grind/Prep Booth 20W X 20D X 10H (double-sided)
- 1 EA Powder booth 9W X 17D X 7H, Class A, enclosed.
- 1 EA Colmet Powder booth 10W X 10H X 12D
- 1 EA Wet Paint Booth 12W X 8D X 8H
- 1 EA Wet Paint Booth 10W X 8D X 7H
- 6 EA DeVilbiss HVLP spray equipment
- 2 EA Gema Optiflex B
- 4 EA Wagner Powder Coating System
- 1 EA MX-9204 Salt Spray / Fog Chamber
- 1 EA Viking 8'X12'X8" 4 rack curing oven
- 1 EA Wisconsin 12'X8'X8' SWH-12088-G oven
- 1 EA Wisconsin 9'X12'X9' curing oven
- 1 EA NuArc Tri-Light exposure unit
- 1 EA DeVilbiss 8'X12'X8' curing oven
- 1 EA DeVilbiss 7'x12'X8' dry-off oven
- 4 EA Silkscreen stations
- 1 EA Artwork design CAD station
- 1 EA HOP Designjet T790-1 Eprinter
- 1 EA Graphtec FC8000-130 Cutting Plotter
- 1 EA Atlas Copco air supply system
- 1 EA Datacolor Check II Plus Spectrophotometer.
- 1 EA Gloss Meter and Spectrophotometer
- 1 EA 10'X12' Bead Blasting Station.



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Punch Presses

- 1 EA 100 Ton Minster Press
- 1 EA 110 Ton Bliss OBI Punch Press
- 1 EA 60 Ton Bliss Punch Press
- 1 EA 60 Ton Minster Press OBI Fly Wheel

Supporting Equipment includes Stock Reels, Coil Cradles, Stock Straighteners, Precision Roll Feeds, Air Cushions, Material Handling Equipment and Safety Light Curtains.

Processing Equipment (Deburr/Finishing)

- 3 EA Timesaver 37" Wet Grainer
- 1 EA Timesaver 8" Dry Grainer
- 1 EA Bead blaster (sand blaster)
- 1 EA Cyclone Sandblaster
- 1 EA Panel sander/stroke sander
- 1 EA PMC 264-6 Stroke Sander and Polisher
- 1 EA Burr King Vibra King 40 tumbler
- 1 EA Sweco FMD-3LR-1 Tumbler
- 3 EA Torex Industrial Vibratory Tumbler
- 1 EA Ultramax tumbler
- 1 EA Alpha cleaning Systems Ultrasonic cleaner
- 1 EA Ultrasonic cleaner 13 x 21
- 1 EA Meiji 15X Microscope

Hardware Machines

- 8 EA Haeger 824 Auto-Feed (3 with window touch)
- 2 EA Haeger 618 Presses
- 1 EA Haeger HP6-C-4
- 1 EA Taumel Orbital Headformer
- 4 EA Custom Designed Pneumatic Hardware Insertion Machine
- 1 EA POP rivet presenter R
- P4

Other Equipment

- 2 EA Amada TOGU III Automatic tool grinding machine
- 1 EA Amada SPH-30
- 1 EA Amada M2045 Shear 1/4" Capacity
- 2 EA Stroke Sander 6" x 258"
- 1 EA Cole-tuve SR-4-140 Power roller
- 1 EA Enco pinch roller 4' wide
- 8 EA LP Forklifts
- 2 EA Electric Forklifts
- Over 5000 Standard and Special CNC Tools



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Computer Aided Mfg., Design and Engineering Software

- Parametric Creo
- Amada Fabriwin with 3D Unfolder.
- Solid Works
- Master CAM
- Integrated Epicor ERP Manufacturing System.
- FlowCut Water Jet programming
- Esprit CMM Software
- ABB Robot Studio

Quality Control Equipment

Equipment traceable to National Institute of Standards and Technology ([NIST](#))

- 1 EA Faro Edge Arm with Reverse Engineering Laser Scanner Software
- 1 EA Zeiss CONTURA G2 AKTIV 1000 CMM
- 1 EA Zeiss CONTURA G2 AKTIV 700 CMM
- 1 EA Zeiss Accura II 900/1800/1000 CMM
- 1 EA Amada FabriVISION Laser Scanner 4' X 4' Table
- 1 EA Microvu Optical Comparator
- 1 EA Mitutoyo Quick Vision ELF CMM
- 1 EA Renishaw Ball Bar Graph
- 1 EA Suretronic Surface Roughness Analyzer
- 2 EA Mitutoyo Surface Roughness Analyzer
- 1 EA Delta Scope for coating thickness
- 1 EA Starrett Hardness Tester
- 1 EA Zontec Synergy SPC Database
- 1 EA Minitab SPC Software
- Gloss Meter and Spectrophotometer for paint color
- Height gauges, Micrometers, Calipers, Thread Gauges.
 - (1500+ in database)
- Multiple granite surface plates



Zeiss CMM



Faro Arm

Electrical Assembly Equipment

- 1 EA Wire pull tester
 - 1 EA Vacuum Impulse Sealer + Gas Purge
 - 2 EA Hewlett-Packard digital volt meters
 - 1 EA Desco wrist strap/footwear tester
 - 1 EA Alpha Cleaning Systems ultrasonic cleaner (36" X 19.5" x 18" deep)
 - 2 EA Branson 8510 ultrasonic cleaners (19.5" X 11.5" X 6" deep)
- Other equipment available on lease

Company Trucks

- 3 EA 26 foot bobtails
- 2 EA 16 foot truck
- 5 EA Cargo Van

