

**TRIMASTER MANUFACTURING INC.**  
**Machine List**

Qty	Type	Capacity
<b>CNC Vertical Milling and Contouring</b>		
1	M1 Fadal VMC 4020 Vertical Milling Center Serial Number 8811868 3 Axis CNC (10,000 RPM) 21 Tool Holder Magazine - 10 HP *Interfaced with 4th Axis fixture	40 x 20 x 20
1	M2 Fadal VMC 6030 Vertical Machining Center Serial Number 012000020290 3 Axis CNC Control ( 10,000 RPM) 21 Tool Holder Magazine V300 Fadal Rotary 4th Axis - 12" Table	60 x 30 x 29
1	M3 Matsuura MC510 Vertical Machining Center Serial Number 900508346 Yaznac 3 Axis CNC Control (6,000 RPM) 5/7.5 HP Tsudakoma RCN X-251 Rotary 4th Axis - 10" table	20 x 14 x 18
1	M4 Matsuura MC510 Vertical Machining Center Serial Number 92020965 Yaznac 3 Axis CNC Control (6,000 RPM) 5/7.5 HP Nikken CNC 200A 4th Axis Table 10"	20 x 14 x 18
1	M5 Matsuura RA-1 Vertical Machining Center Serial Number 910809559 Yaznac 3 axis CNC Control (8,000 RPM) 30 Tool Holder Magazine - 5/7.5 HP Twin Pallet Shuttle	20 x 16 x 18
1	M6 Matsuura 510 Machining Center Serial Number 890407331 with Yaznac 3 Axis CNC Control (6,000 RPM) *Interfaced with 4th Axis fixture 5/7.5 HP	20 x 14 x 18
1	M7 Matsuura RA-1 Vertical Machining Center Serial Number 950111055 Yaznac 3 axis CNC Control (6,000 RPM) 30 Tool Holder Magazine - 5/7.5 HP Twin Pallet Shuttle *Interfaced with 4th Axis fixtures 5/7.5 HP	20 x 16 x 18
1	M10 Fadal VMC 6030 Vertical Machining Center Serial Number 9705983 3 Axis CNC Control (10,000 RPM) 21 Tool Holder Magazine - 15/22 HP *Interfaced with 4th Axis fixtures	60 x 30 x 29

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Qty	Type	Capacity
<b>CNC Vertical Milling and Contouring Continued</b>		
1	M11 Fadal VMC 6030 Vertical Machining Center Serial Number 9904656 3 Axis CNC Control (10,000 RPM) 21 Tool Holder Magazine - 15/22 HP *Interfaced with 4th Axis fixtures	60 x 30 x 29
1	M12 Fadal VMC 6030 Vertical Machining Center Serial Number 9908128 3 Axis CNC Control (10,000 RPM) 21 Tool Holder Magazine - 15/22 HP V300 Fadal Rotay 4th Axis - 12" table	60 x 30 x 29
1	M13 Fadal VMC 6030 Vertical Machining Center Serial Number 012000081190 3 Axis CNC Control (10,000 RPM) 21 Tool Holder Magazine - 15/22 HP *Interfaced with 4th Axis fixtures	60 x 30 x 29
1	M14 Fadal VCM 6030 Vertical Machining Center Serial Number 012001052482 3 Axis CNC Control ( 10,000 RPM) 30 Tool Holder Magazine - 15/22 HP *Interfaced with 4th Axis fixtures	60 x 30 x 29
	Miscellaneous Approximately 1,000 toolholders for Vertical and Horizontal Machining Centres	

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Qty	Type	Capacity
<b>CNC Horizontal Milling and Contouring</b>		
1	M8 Toshiba Model BMC 630 Horizontal Machining Center Serial Number 212721 withTosnuc 888 CNC Control Twin Pallet Full 4th Axis - High Pressure Coolant Thru 60 Tool Holder Magazine 25 HP Spindle	39 x 32 x 34
1	M9 Kitamura Mycentre HX400 Horizontal Machining Center Serial Number 40760 15,000 RPM - High Speed Twin Pallet Rotation-Full 4th Axis 40 Tool Holder Magazine - 15HP	20 x 20 x 19
1	M15 Haas HS 1RP Horizontal Machining Center Serial Number 510610 Twin Pallet-Full 4 Axis (10,000 RPM) 60 Tool Holder Magazine Coolant Thru 22/30 HP	24 x 20 x 22
1	M16 Haas HS 1RP Horizontal Machining Center Serial Number 51009 Twin Pallet-Full 4 Axis (10,000 RPM) 60 Tool Holder Magazine Coolant Thru 22/30 HP	24 x 20 x 22
1	M17 Haas HS 1RP Horizontal Machining Center Serial Number 51129 Twin Pallet-Full 4 Axis (10,000 RPM) 60 Tool Holder Magazine Coolant Thru 22/30 HP	24 x 20 x 22
1	M18 Haas HS 1RP Horizontal Machining Center Serial Number 51112 Twin Pallet-Full 4 Axis (10,000 RPM) 60 Tool Holder Magazine Coolant Thru 22/30 HP	24 x 20 x 22
1	M19 Matsuura ES-450 Horizontal Machining Center Serial Number 970412463 Twin Pallet (10,000 RPM) 30 Tool Holder Magazine Coolant Thru 15/22 HP	18 x 16 x 16
1	M20 Matsuura ES-450HII Horizontal Machining Center Serial Number 000914264 Fanuc 18i-MA Control 15,000 RPM / 15HP Twin Pallet - 1 deg. Index High Pressure coolant thru 30 Tool Magazine	18 x 16 x 16

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<b>Qty</b>	<b>Type</b>	<b>Capacity</b>
<b>CNC Horizontal Milling and Contouring Continued</b>		
1	M21 Matsuura ES-450 Horizontal Machining Center Serial Number 981113478 Twin Pallet -(10,000 RPM) 30 Tool Holder Magazine Coolant Thru 15/22 HP	18 x 16 x 16
1	M22 Matsuura ES-450HII Horizontal Machining Center Serial Number 990413655 Fanuc 18i-MA Control 15,000 RPM / 15HP Twin Pallet - 1 deg. Index High Pressure coolant thru 30 Tool Magazine	18 x 16 x 16

**TRIMASTER MANUFACTURING INC.**  
**Machine List**

Qty	Type	Capacity
<b>CNC Turning</b>		
1	L1 Hardinge T42-L Conquest Turning Center with Fanuc 18T Control 15 HP Serial Number SGA-2030-B Complete with 6 Live Cross Heads 2 1/2 deg Programmable Tail Stock Sepego 126H-16 Barfeeder	12.5 X 24" Z 2" Dia
1	L2 Hardinge T42 Conquest Turning Center with Fanuc 18T Control 15 HP Serial Number 1644-B Complete with 6 Live Cross Heads 2 1/2 deg Programmable Tail Stock Sepego 126H-16 Barfeeder	12.5 X 14" Z 2" Dia
1	L3 Hardinge 42TL Conquest Turning Center with Fanuc 18T Control 15 HP Serial Number SGA-002188 Complete with 6 Live Cross Heads 2 1/2 deg Programmable Tail Stock Sepego 126H-16 Barfeeder	12.5 X 24" Z 2" Dia
1	L4 Hwacheon EC035 Turning Center with Fanuc O-T Control 25 HP Serial Number M0643445L-34 6 Live Spindles on Cross Heads 5 HP Live Heads - Full C Axis CNC Hydroturn Barfeeder	16 Dia 47. Y 3" Dia
1	L5 Hardinge T42-L Conquest Turning Center with Fanuc 18T Control 15 HP Serial Number 2122 Complete with 6 Live Cross Heads - Full C Axis Programmable Tail Stock Sepego 126H-16 Barfeeder	12.5 X 24" Z 2" Dia
1	L6 Hardinge Quest 8/51 Turning Center with Fanuc 21 i Control 20 HP Serial Number 000116 Programmable Tailstock Live Tooling 2 1/2 deg Spego 126H-16 Barfeeder	12.5 X 24" Z 2" Dia
1	L7 Miyano Model BNC 34C Turning Center with Fanuc OT Control 7.5 HP Serial Number 32166C Control-Dual Tailstock 6 Tool Capacity Bartech Hydraulic Barfeeder	3" X 9.0 Z 1 3/8" Dia

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**Machine List**

Qty	Type	Capacity
<b>CNC Turning Continued</b>		
1	L8 Hardinge Quest 10/65 Turning Center with Fanuc 21 i Control 35 HP Programmable Tailstock	12.5 X 24" Z
1	L9 Hardinge GT27 Serial Number GTA1296B Gang Side Super Precision LNS Barfeed	1" dia Thru
1	L10 Hardinge GT27 Serial Number GTA1183B Gang Side Super Precision LNS Barfeed	1" dia Thru
1	L11 Wasino Model LJ-62M Turning Center with Fanuc 10T Control 20/25 HP Serial Number 320 c/w 6 Milling Stations (5HP each) 2 /2 deg Grindley Hydraulic Barfeeder	20" Dia 24 Z 2 1/2" Dia
1	L13 Leadwell LTD 10 CNC Turning Center with Fanuc O-TB Control 10 HP Serial Number L86033 High Pressure Gun Drill System Installed	6" Dia 12 Z 1 5/8 " Dia
1	L14 Kia K450 Turning Center with Fanuc Oi-TB Control 15 HP Serial Number KIT4501688 Gang Type CNC Lathe	

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Qty	Type	Capacity
<b>CNC Swiss Turning</b>		
1	C1 Citizen Cincom Model L-16 Turning Center with Fanuc O Control (8,000 RPM) Serial Number R2358 Swiss-Style Machine complete with FMB Auto Load Multi-Bar System 8 Tool Capacity	16 mm 5/8" Dia
1	C2 Citizen Cincom Model L-16 Turning Center with Fanuc O-TB Control (8,000 RPM) Serial Number R3146 Swiss-Style Machine complete with FMB Auto Load Multi-Bar System 8 Tool Capacity	16 mm 5/8" Dia
1	C3 Citizen Cincom Model F-12 Turning Center with Fanuc 3T Control (10,000 RPM) Serial Number 1072 Swiss-Style with Live Spindle Cross Heads 12 Tool Capacity SMW Hydraulic Barfeeder	12.5 mm 1/2" Dia
1	C4 Citizen Cincom Model F16 Turning Center with Fanuc 10-T Control (8,000 RPM) Serial Number 2251 Swiss Style with Live Crossheads 12 Tool Capacity SMW RSQ 20 Hydraulic Barfeeder	16 mm 5/8" Dia
1	C5 Citizen Cincom Model B-12 Turning Center with Fanuc 18T Control (8,000 RPM) Serial Number Z3918 Swiss-Style Machine complete with FMB Mini-Mag Auto Load Multi-Bar System 9 Tool Capacity	12 mm
1	C6 Citizen Cincom Model G-16 Turning Center with Fanuc 3T Control (9,000 RPM) Serial Number R1188 Swiss-Style Machine 4 Tool Capacity SMW RSQ20 Hydraulic Barfeeder	16 mm 5/8" Dia
1	C7 Citizen Cincom Model B-12 Turning Center with Fanuc 18T Control (8,000 RPM) Serial Number B1212/1556 Swiss-Style Machine complete with FMB Mini-Mag Auto Load Multi-Bar System 9 Tool Capacity	12 mm
1	C8 Citizen Cincom Model B-12 Turning Center with Fanuc 18T Control (8,000 RPM) Serial Number Z4106 Swiss-Style Machine complete with FMB Mini-Mag Auto Load Multi-Bar System 9 Tool Capacity	12 mm
1	C9 Citizen Cincom Model B-12 Turning Center with Fanuc 18T Control (8,000 RPM) Serial Number B1212/1456 Swiss-Style Machine complete with FMB Mini-Mag Auto Load Multi-Bar System 9 Tool Capacity	12 mm

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<b>Qty</b>	<b>Type</b>	<b>Capacity</b>
<b>CNC Swiss Turning Continued</b>		
1	C10 Citizen Model B-20 Turning Center with Fanuc 18T Control Serial Number Z10223 With 2nd Spindle for Back Working Swiss-Style Machine complete with FMB Auto Load Multi-Bar System	20mm
1	C11 Citizen Cincom Model B-12 Turning Center with Fanuc 18T Control (8,000 RPM) Serial Number Z13742 Swiss-Style Machine complete with FMB Mini-Mag Auto Load Multi-Bar System 9 Tool Capacity	12 mm
1	C12 Citizen Model F25 Turning Center with Fanuc 10T Control (9,000 RPM) Swiss-Style Machine with Live Crossheads LNS S2/20 Magazine Barfeeder	25 mm

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<b>Qty</b>	<b>Type</b>	<b>Capacity</b>
<b>Grinding / Size Finishing</b>		
1	Toyoda Cylindrical Grinder with Full Angular Head Serial Number 8977	12" Dia 48" B.C.
1	Jones & Shipman Cylindrical Grinder with Internal Grinding Attachment	8" Dia 24" B.C.
1	Diemaster SGS - 1020 AHD Serial Number 8605D001 3 Axis Surface Grinder complete with Auto Downfeed	10 x 18
1	Kent Surface Grinder KGS63AHA Serial Number 99076537	12 x 24
1	Sunnen Fully Automatic Honing Centre Model 1801D Serial Number 11210 with Sizing and Stroking Attachments	
1	Dedtru Centreless Grinder	Up to 1" Dia
1	Royal Master TG Centreless Grinder with Auto Ejector System Serial Number 1834	2" Capacity
1	Cincinnati #2 Centreless Grinder Serial Number 2M2H5C-58	4" Capacity
1	Cincinnati #2 Centreless Grinder Serial Number 350200074.0038	4" Capacity
1	Ty-Miles 5 ton Hydraulic Broaching Machine Serial Number 79-1249	2" Broach 24" Stroke
1	Kent KGS200 Surface Grinder Serial Number 8007225-5	6 x 12

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**Machine List**

<b>Qty</b>	<b>Type</b>	<b>Capacity</b>
<b>Molding Presses</b>		
1	Wabash Compression Molding Press Serial Number 7438 75 Ton	18 x 18 x 18
1	Wabash Compression Molding Press Serial Number 3776 50 Ton	15 x 15 x 15
1	Wabash Compression Molding Press Serial Number 7370 30 Ton	14 x 14 x 14
1	Wabash Compression Molding Press Serial Number 6728 30 Ton	14 x 14 x 14
1	TML Automatic Compression Molding Press Serial Number 2412 75 Ton	20 x 20 x 22
1	TML Automatic Compression Molding Press 150 Ton	30 x 30 x 30
1	TML Automatic Compression Molding Press 125 Ton	22 x 22 x 18
1	Rucker PHI Compression Molding Press Serial Number 74-5-8 75 Ton	24 x 24 x 24
2	Precision Scientific Vacuum Oven	
2	Precision Scientific Mechanical Convection Oven	
	Mutiple Heat/Fume Evacuator Systems	
	Numerous Durometer Testers	
	Numerous Pyrometers (Handheld)	

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Qty	Type	Capacity
<b>Elastomer Grinding</b>		
1	Tschudin Cylindrical Grinder with Cam Grinding Attachment Serial Number 69-1231 Collet System	8" Dia 18" B.C.
1	Jones & Shipman Cylindrical Grinder	10" Dia 24" B.C.
1	Okuma Cylindrical Grinder with Plunge Function Serial Number GPB150	6" Dia 26" B.C.
1	Norton Cylindrical Grinder with Plunge Function Serial Number 16-74407-3	6" Dia 30" B.C.
1	Churchhill Cylindrical Grinder with Plunger Grind Function Serial Number 28224 Power Collet System	10" Dia 48" B.C.
1	Churchhill PAW1024 Cylindrical Grinder Serial Number 1601 Universal Grinder	10" Dia 48" B.C.
1	Miyano CNC Rubber Grinder 2 Axis	10" Dia
1	Miyano CNC Rubber Grinder 2 Axis	10" Dia 12" B.C.
<b>Lathes - Tool Room</b>		
1	Eguro Engine Lathe	6 Dia Swing 12 B.C.
1	Hardinge Super Precision Turret Lathe Slide Model 5C Collet	1 1/16" Thru.
1	Hardinge Super Precision Turret Lathe Slide Model 5C Collet	1 1/16" Thru.
1	Hardinge Super Precision Second Operation Lathe	1 1/16" Thru.
1	Hardinge Super Precision Second Operation Lathe	1 1/16" Thru.
1	Hardinge Super Precision Second Operation Lathe	1 1/16" Thru.
1	Index 25 Screw Machine 9 Tool-High Speed Attachment	25 mm 1" Dia
1	Takisawa Model TSL 1000 D Engine Lathe - Digital Readout Serial Number T88110041	14 Dia Swing 40 B.C.
1	Dean Smith & Grace Model D5913-1 Serial Number 34520	13 Dia Swing 42 B.C.

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Qty	Type	Capacity
<b>Milling - Tool Room</b>		
1	XLO Verticle Milling Machines Model 602-Digital Readout	9" x 42"
1	XLO Verticle Milling Machines Model 602-Digital Readout	9" x 42"
1	#2 Cincinatti Horizontal Milling Machine with Vertical Head	10" x 52"
1	Top Well Verticle Mill Complete with HAAS Programmable Rotary Axis Futaba Digital Readout	10" x 50"
1	GWM Verticle Tool Room Mill Mititoyo Digital Readout	10" x 44"
1	First Verticle Tool Room Mill Heidenhain Digital Readout	9" x 42"
1	First Verticle Tool Room Mill Heidenhain Digital Readout	9" x 42"
1	First Verticle Tool Room Mill Heidenhain Digital Readout	9" x 42"
1	First Verticle Tool Room Mill Heidenhain Digital Readout	9" x 42"
1	First Verticle Tool Room Mill Heidenhain Digital Readout	9" x 42"
<b>Punch Press / Assembly</b>		
1	Amada FBD 8025 NT Press Brake with 8 CNC controlled axis a adjustable shut height Serial Number 80252175 Max. Bend: 98.4" Max. Stroke: 5.91"	
1	50 Ton Industrial Hydraulic Shop Press	
1	Fraser Orbital Riveting Machine Auto Cycle	
1	Bracker Orbital Riveting Machine Auto Cycle	
1	EIBAR Orbital Riveting Machine Auto Cycle	
1	Loctite 2ETA 1400 Dispensing Machine	
1	Weldomatic Spotwelders	
1	100T LEMP Punch Press Serial Number 01026 Airclutch and Brake Safety Brake Monitor	
10	Arbor Presses	
6	5-Ton Flypresses	
1	Nissan 2500 lb. Fork Lift, Propane	
1	Caterpillar 5000 lb. Fork Lift, Propane	

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**Machine List**

<b>Qty</b>	<b>Type</b>	<b>Capacity</b>
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**Belt Sanders**

- 18 24" x 1/2" Belt Size 1/3 HP Floor Model
- 2 24" x 1/2" Belt Size 1/3 HP Bench Model
- 1 Kalamazoo 48" x 6" Belt Size 3HP 230V Floor Model
- 1 King 48" x 6" Belt Size 3/4 HP 120V Floor Model
- 1 48" x 6" Belt Size 1HP 120V Floor Model

**Drill Presses**

- 19 King Drill Press - 8", 1/3 HP, 120V year 2002 - Bench Model
- 3 Hasco Drill Press 16", 1/2 HP, 120V year 1985 - Bench Model
- 4 Atlas Drill Press 14", 1/2 HP, 120 V year 1985 - Bench Model
- 1 Trademaster model 12103, 15", 1/3 HP, 120V year 1996 - Floor Model
- 1 Buffalo, 15", 1/2 HP, 120V year 1985 - Floor Model
- 1 Gear Head Drill Press Model FM 2508, 24", 1 HP, 575V year 1980 -Floor Model
- 1 Buffalo, 18", 1HP, 575V year 1986 - 3 Spindle Drill Press
- 1 Allen, 16", 1/2 HP, 575V year 1975 - 4 Spindle Drill Press

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**Machine List**

<b>Qty</b>	<b>Type</b>	<b>Capacity</b>
<b>Miscellaneous Equipment</b>		
1	Hyd-Mech Manual Bandsaw S-20	16"
2	Hem Automatic Feed Bandsaws Serial Numbers 465395 / 688399	12"
1	Rotofinish Part Tumbler	
1	Part Tumbler (small or large)	
2	Cabinet Sandblast Units	
2	Acetylene Welding Unit	
1	Hobart 120 Mig Welder	
1	Miller Water-Cooled Resistance Spot Welder Model SSW 4020 AT Serial #LF161828	
1	Maintenance Canox Arc Welding Unit	
1	Compressor System Unit with 2 Atlas Copco Screw Compressors (25 HP each) and 1 Deltech Air Dryer/Dehumidifier in series	
1	Compelte Coolant recycling system and De-ionizer for coolant water	
1	Star-120 Parts Washer Total Unit Stainless Steel - Hot Water Biodegradable Soap 1,000 lb capacity	
1	Cold Black Oxide Line	
1	Chromate Conversion Coating - Large Capacity	
1	Chromate Conversion Coating - Small Capacity	

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Qty	Type	Capacity
<b>Inspection Equipment</b> <b>(all on computerized calibration systems)</b>		
1	Mitutoyo BH303 C.M.M. (Manual)	13" (x) x 12" (y)
1	Faro Platinum Inspection Arm C/W software and printing control station	
4	Mitutoyo PH350 Optical Comparator c/w Geoscheck Digital Readout	14"
1	Mitutoyo Optical Comparator c/w Quadracheck Readout	21"
2	Mitutoyo Profilometer	
1	Baty Shadowmaster c/w Quadracheck Readout	14"
1	Baty Shadowmaster c/w Digital Readout	12"
1	Lasermike Measuring Unit - Laser Beam Measurement .000020 resolution	
14	Mitutoyo Electronic Height Gauges	
17	Granite Inspection Tables	Up to 48" to 60"
8	Electronic Pedestal Micrometers	
2	Master Height Gauges	
	Full compliment of Verniers, Micrometers, Gauge Blocks, Sizing Pins, Bore Gauges, and Plating Thickness Check Units	
	Extensive Metric and Imperial Plug and Ring Thread Gauges (approx 300 units)	
	All Inspection Equipment on Computerized Calibration System	

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**Engineering Software**

3 CAD/CAM Stations, 17" colour monitors

1 Mastercam Version 9 Level 1 - Mill and Lathe

1 Mastercam Version 9 Level 1 - Mill

1 Mastercam Version 9 Level 2 - Mill

1 Spicer Software (to receive/send electronic drawings)

1 Solidworks CAD/CAM Software

1 Vis/View Software (read and print electronic drawings)

Capability to receive electronic data in format  
ASCII, DXF, IGES, PDF, TIF, SLDPRT, JPG

1 Vis/View Software (read and print electronic drawings)

Capability to receive electronic data in format  
ASCII, DXF, IGES, PDF, TIF, SLDPRT, JPG