FATHOM
DIGITAL MANUFACTURING REIMAGINED.

FATHOM MANUFACTURING
MACHINE LIST

	Fathom HQ Hartland, WI	Centex Round Rock, TX	Dahlquist Ham Lake, MN	Incodema Ithaca, NY	Majestic Metals Denver, CO	Newcut Newark, NY	PGM Rochester, NY	Precision Process Elk Grove, IL	TCS Electronics Rochester, NY	TCS Industries Rochester, NY	Total
CNC Machining											
Vertical Mills											
3-Axis	17	8	15	8			25	13		57	143
4-Axis		2	2				41			8	52
5-Axis	7	3	1				8			16	36
Horizontal Mills											
3-Axis XYZ / Rotary Indexing	3	1	4				22			36	66
Additional CNC Equipment											
CNC Routers	1										1
EDM											
CNC EDM											
Wire	6	2		2				3			13
Sinker	1	1						1			3
Drill	1										1
Chemical Etching											
Etching Machines						6					6
Coating / Laminating Machines						2					2
Exposing / Printing Machines						3					4
Developers						1					1
Stripping Machines						1					1
Turning											
Lathes											
2-Axis	2	7	1	1				11			22
3+ Axis / Live Tooling	1		7				3	1		5	17
Swiss Turning							1			7	8
Mill-Turn / Hybrid Turning							1			3	4

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Drilling & Grinding											
Drill Tap Center										15	15
Tool Grinder / Bench Grinder								3		1	4
CNC cyclindrical Grinders (high precision)							3				3
Manual Surface Grinder				2			8			2	12
Manual Drill Presses				2				1		1	4
Additive Manufacturing											
3D Printers											
FDM	34										34
SLS	17										17
HP MJF	6										6
DMLS	10										10
SLA	2										2
PolyJet	7										7
Sheet Metal Fabrication											
Metal Cutting											
CNC Fiber / Solid-State Laser				2	3					2	7
CNC CO2 Laser					2						2
Combination Laser / Punch										1	1
Waterjet				1							1
Micro Waterjet				2							2
CNC Punch					5						5
Bending, Forming and Stamping											
CNC Press Brake				10	13					7	30
Stamping Presses				2							2
Hydraulic / Manual Presses				1				1			2
Multislide Stamping				6							6
Hardware Insertion Presses				1	6					10	17

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Injection Molding											
IM <100 Ton	1								3		4
IM 100 Ton and Above	2										2
Welding											
Laser Welder		1		1	1					2	5
TIG Welder		1		2	12			1		7	23
MIG Welder					7					2	9
Spot / Resistance Welder				1	2					1	4
Finishing / Secondary Processes											
Dip-Brazing Systems / Furnaces										1	1
Wet Paint Booths	3				2		1			4	10
Powder Coat Booths					3					1	4
Coating / Plating Lines										3	3
Sanding / Deburring / Tumbling	2	1		3	7			7		3	23
Blast Cabinets / Booths	8	7	2				2	2		10	31
Vapor Smoothing	1										1
Pad / Screen Printing					5					6	11
Laser Marking		1					2			1	4
Heat Treat / Process Ovens		1		3	3	3	3			4	17
Inspection											
CMM	2	3	2	2		1	10	3		7	30
Portable CMM / Laser Arm	1										1
Visual Measurement / Laser Inspection	3	2	2	5	1	5	10	3		4	35

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Electronics											
PCB Assembly Equipment											
SMT Screen Printing Machines									2		2
Component Placement / Insertion Machines									5		5
Soldering Machines									4		4
PCB Inspection & Test Systems									5		5
PCB Cleaning & Coating Systems									2		2
Wire / Cable Assembly Equipment											
Wire Cutting & Stripping Machines									4		4
Crimping & Termination Machines									9		9
Electronics Support Equipment											
Label & Tubing Printers									4		4
Component Counting & Material Analysis Systems									2		2

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