

Machine Type	Machine Description	Max Capacity
Automated Material Handling		
Storage & Retrieval System:	Salvagnini Automatic Retrieval and Auto Store System (supports four-machine automated fabricating cell)	196 shelves for storing of raw material or partially-processed flat blanks
Punching		
CNC Shearing/Punching Cells:	Salvagnini CNC Shear/Punch (2)	30 tons, 10 ga. Steel, 14 ga. Stainless Steel, .200" Aluminum, 60" x 120" Sheet
CNC Turret Presses:	Amada CNC Turret Punch Press (2)	33 tons, .125" Material, 60" x 98" Sheet
Laser Cutting		
CNC Laser Cutter:	Salvagnini CNC Fiber Laser System (1)	.5" Steel, .375" Stainless Steel, .25" Aluminum, 60" x 120" Sheet
Forming		
CNC Forming Cells:	Salvagnini CNC Panel Bender (4)	Up to 11 ga. Steel, 14 ga. Stainless Steel, .150" Aluminum, 85.8" Bend Length, 62.9" Blank Width, 98.4" Blank Diagonal, 6.5" Bend Height
Press Brakes:	Amada Hydraulic--6-Axis Gauging System (1)	10' x 110 tons; automatic tool changer
	Trumpf CNC Hydraulic--6-Axis (2)	10' x 144 tons
	Trumpf CNC Electric--6-Axis (1)	40" x 40 tons
	Mitsubishi/Toyokoki Electric--4-Axis (1)	8' x 80 tons
	Amada Hydraulic--3-Axis (4)	6' x 88 tons
	Toyokoki Electric--3-Axis (1)	7.8" X 6 tons
	Guifil Hydraulic--2-Axis (1)	2' x 16 tons
	Diacro Hydra-Mechanical--1-Axis (2)	4' x 15 tons
CNC Folder:	Schechtel Spectrafold CNC Folder (1)	80" x 14 ga. Steel
Laser Welding		
Laser Welder:	Prima 2D/3D Laser Cutting/Welding System (1)	43" x 86" x 15" (3D Work Envelope)
	IPG Photonics LightWELD Laser Welding and Cleaning System (1)	4' X 8' Table; Steel, Stainless Steel, Aluminum, Copper, Titanium
Welding		
Robotic Welder:	Genesis Versa 4M Robotic Welding System (1)	225 amp., 118" (X) 36" (Y) 10.5" (Z)
	BotX MIG Welding Cobot (1)	4' X 8' Table; 350 amp.
MIG Welders:	Miller 200/212 MIG Welder (6)	200 amp.
	Miller 350P MIG Welder (2)	300 amp.; Aluminum push/pull system
TIG Welders:	Miller Syncrowave TIG Welder (1)	300 amp.
	Miller Dynasty TIG Welder (2)	300 amp.
	Lincoln Square Wave TIG Welder (1)	300 amp.

Spot Welders:	Future Industrial Machines Multi-head Straight Line Spot Welder (1)	13 heads (cascade), 100 KVA
	Amada Spot Welder (1)	80 KVA, 32" Throat
	Lors Tecna Spot Welder (1)	50 KVA, 26" Throat
Machine Type	Machine Description	Max Capacity
Grinding & Finishing		
Deburring/Surface Finishing Equipment:	Timesavers Deburring Machine (1)	36" Wide
	Lissmac SMW 123 Deburring Machine (1)	37" Wide
	Timesavers Edge Rounding Machine (1)	50" Wide
Polish Lathe:	G&P Machinery Polishing Lathe (1)	
Bead Blaster:	Trinco Model 36 Beat Blasting Machine (1)	
Surface Grinder:	Max-O Hydraulic Surface Grinder (1)	6" x 18"
Vibratory Finishers:	Torex Vibratory Finishing Machine (1)	
Belt Sanders:	Rockwell Belt Sander (3)	6"
Graining Machine:	G&P Machinery Stroke Sander (1)	60"
Machining		
Milling	Tree Mill 2UVR-C (1)	1.5 HP, 24" (X) 9.5" (Y) 14.5" (Z)
Lathe:	American Machine Tool Company Lathe (1)	15"x 50"
Drill Presses:	Rockwell Drill Press (1)	#2 Morse Taper
	Leland-Gifford 4 Spindle (with 1 reversible tapping spindle) (1)	
Miscellaneous		
Punch Press:	Komatsu Punch Press (1)	150 tons
Shear:	Amada Squaring Shear with Return Feed Conveyor/Stacker (1)	10' x .25" Material
Hydraulic Presses:	Haeger Press with Automatic Feeding System (4)	Up to 8 tons
Riveters:	Chicago Auto-Riveters (4)	
	Avdel Riveter (2)	
Saws:	Amada Automatic Horizontal (1)	
	Grob Vertical Band Saw (1)	
	Bewo Cold Saw (1)	
Notcher:	Amada Hydraulic Corner Notcher (1)	
Rolls:	Reed Metal Roll (1)	76" x 16 ga. Steel
	Niagara Metal Roll (1)	36" x 14 ga. Steel
Inspection Systems:	Hexagon Absolute 7-Axis 8540 Arm with RS6 Laser Scanner (1)	
	Inspecvision P150.35 Measurement System (1)	59" X 39" with Auto Reposition; +/- .00138"
	Accurate Technology Linear Measurement Table (1)	Up to 75"; +/- .003"
Estes Accelerator - Product Development & Prototyping		
CNC Laser Cutter:	Salvagnini CNC Laser System (1)	.25" Steel, .190" Stainless Steel, .190" Aluminum, 60" x 120" Sheet
Press Brake:	Amada Hydraulic--6-Axis Gauging System (1)	10' x 110 tons; automatic tool changer
Welders:	Miller 350P MIG Welder (1)	300 amp.; Aluminum push/pull system
	Miller Dynasty TIG Welder (1)	300 amp.

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