



PRECISION ENGINEERING INC
ADVANCED METALWORKING Fabricating Solutions, Forming Results



Certifications	AS 9100 ▪ ISO 9001 ▪ ISO 27001 ▪ ISO 14001 ITAR Registered			
	WBENC, WOSB, & Massachusetts WBE <i>certified woman-owned</i>			
Software	Pro-E CAD Solidworks CAD SMP Merry Mechanization Nestmaster Nesting Software	Amada Dr. Abe Blank & Bend Amada MX WIN BendCam Amada Sheet Works	Extensive Tooling Library Togu Manual Tool Grinder (Wet) Togu III Automatic Tool Grinder (Wet) NCT3 Turret Tapping Tools	
CNC Laser & Punch <i>Material Thickness 0.015 to 1 inch</i> <i>"Lights Out" Capability</i>	<p>Amada FOMII 3015NT 4KW Laser Capacity: 60" X 120" Sheet Size Max Mat'l Thickness: Steel: 1" ▪ Stainless Steel: 5/8" ▪ Aluminum: 1/2"</p> <p>M5-F1500 Nitrogen Generator – 60 HP VSD ASLUL 8-Shelf Integrated Load/Unload Mat'l Storage Capacity: 50,000#</p> <p>Amada EML-K 3610 4KW Laser/Punch Combo 58 Station, 4 A/I – 1800 Hits Per Minute M5-F750 Nitrogen Generator – 30 HP VSD 3 Shelf RMP 510 - TK Parts Picker - Integrated Load/Unload Capacity: 16,000 Pounds Material / 60" X 120" Sheet Size</p> <p>Amada Vipros 358K 58 Station, 4 A/I – 700 Hits Per Minute 04PC Control 6 Shelf ASR 410 Integrated Load/Unload Capacity: 28,000 Pounds Material / 50" X 120" Sheet Size</p> <p>Amada Vipros 358K 58 Station, 4 A/I – 700 Hits Per Minute 18P Control 2 Shelf MP 1530 Integrated Load/Unload Capacity: 10,000 Pounds Material / 50" X 120" Sheet Size</p> <p>Amada Pega 345 58 Station, A/I – 300 Hits Per Minute 6M Control Stand Alone/MP Ready</p>			
Press Brake <i>CNC Control</i>	1 - Amada ASTRO-100 CNC Robotic Bending Cell - 10' - 8 Axis ~ Repeatability of ±0.0004 1 - Amada HFB 110 Ton Press Brake - 10' - 8 Axis ~ Repeatability of ±0.0004 1 - Amada HFE 110 Ton Press Brake - 10' - 8 Axis ~ Repeatability of ±0.0004 1 - Amada FBD-8025 Press Brake - 8' - 88 ton - 8 Axis ~ Repeatability of ±0.0004 1 - Amada RG-100 / 100 Ton Press Brake - 10' - 4 Axis ~ Repeatability of ±0.0004 1 - Amada RG-80 / 88 Ton Press Brake - 8' - 4 Axis ~ Repeatability of ±0.0004 2 - Amada RG-50 / 55 Ton Press Brake - 6' - 4 Axis ~ Repeatability of ±0.0004			
Powder Coat <i>425-Ft Motorized Conveyor Line with 5-Stage Prewash</i> Water Treatment	<p>NORDSON 15750 CFM COLORMAX 2 HYBRID BOOTH 10-Minute Color Change ▪ Integrated Powder Reclamation System 3' X 5' Part Opening SPRAY GUNS: 10 Automatic Guns / 3 Manual Gun Stations CONVEYOR: Coats 125 Lbs/Foot (50' X 85') CLEANING: 5-Stage Washer (Clean Phosphate, Iron Phosphate, 2 Rinses, Hot Seal) OVEN: Dry-Off & Cure</p> <p>WATER TREATMENT SYSTEM Reverse Osmosis Water Treatment System – 10 GPM De-Ionized Rinse Water Recycle System – 10 GPM Evaporator – 18 GPH</p>			



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<p>Hardware</p>	<p>5 - Haeger 824 Insertion Machines - <i>Auto Feed</i> 4 - Haeger 618 Insertion Machines - <i>Auto Feed</i></p>
<p>Welding <i>Robotic & Manual</i> <i>AWS-Certified Welders</i></p>	<p>"2-Station" OTC / FD-V6L Robotic Welding Cell – Stainless, Aluminum, Steel 4 - Semi-Automatic Wire Feed Welding Machines (MIG) 3 - Gas Tungsten Arc Welding Machines (TIG) 2 - 4' x 8' Precision Jig Table with Fixturing</p>
<p>Spot Welding Stud Welding</p>	<p>1 - Spot Welder 100 KVA/Rectifier 0.187 AL Max. - <i>24" Throat</i> 1 - Spot Welder 100 KVA - 24" Throat 0.090 AL Max. - <i>0.25 Max CRS</i> 1 - Spot Welder 75 KVA - 24" Throat 0.060 AL Max. - <i>0.187 Max CRS</i> 2 - Stud Welders</p>
<p>Machining Shearing</p>	<p>1 - Jet Geared Head Engine Lathe - <i>19" x 40"</i> 1 - Bridgeport Vertical Milling Machine - <i>9" x 48" Table</i> 1 - Amada Horizontal Production Band Saw HA-250 - <i>Auto Feed</i> 1 - 100 Ton Hydraulic Vertical Press 4 - Drill Presses 8 - Tapping Heads 1 - LVD Hydraulic Shear - <i>10'</i></p>
<p>Deburring & Finishing</p>	<p>2 - Vibratory Tumbler Combo Finishing/Drying System 1 - Kendal Ultrasonic Cleaner 2 - Sandblasters (pneumatic) - <i>various media, including glass bead</i> 2 - Torit Dust Collection Systems 1 - Torit Downdraft Sanding Booth 2 - Stroke Sanders - <i>PMC-158-5 / PMC-264-6</i> 1 - Timesaver Heavy Duty Metalworking Grainer/Deburrer - <i>Wet / 37"</i></p>
<p>Quality Control</p>	<p>AS 9100 ▪ ISO 9001 ▪ ISO 14001 VIRTEK Laser QC AFM 1200 scanner 48 x 48 Table 2D & 3D SPC and Quality Reporting / 2D Reverse Engineering / First Article Inspection Reporting Versa Gage Digital Measuring Systems / Calibrated Measuring Tools 4 - Surface Plates</p>
<p>Shop Air</p>	<p>1 - Sullair 50 HP Compressor - <i>Variable Speed Drive</i> 1 - Sullair 25 HP Compressor - <i>Variable Speed Drive</i> 1 - Sullair 15 HP Compressor - <i>Variable Speed Drive</i> 2 - Air Dryer</p>
<p>Handling</p>	<p>3 - Fork Trucks – <i>Capacity: 1 @ 12,000 lb / 2 @ 5,000 lb</i> 7 - Pallet Trucks – 1 Electric, 6 Manual 2 - Overhead Cranes – <i>3-ton & 5-ton</i> 1 - 2019 Freightliner 26' Box Truck 6 - Loading Docks</p>
<p>Buildings</p>	<p>2 Physical Plants - 1 Manufacturing & Corporate Headquarters (26,400 sq ft) - 1 Manufacturing & Warehouse (10,000 sq ft)</p>