PRECISION ENGINEERING INC

ADVANCED METALWORKING | Fabricating Solutions, Forming Results ®

FACILITIES LIST

Certifications	**AS 9100 ▪ ISO 9001 ▪ ISO 27001 ▪ ISO 14001** **ITAR Registered | JCP Registered**		
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 *Material Thickness 0.012 to 1 inch* *"Lights Out" Capability*	**Amada FOMII 3015NT 4KW Laser** Capacity: 60" X 120" Sheet Size Max Mat'l Thickness: Steel: 1" ▪ Stainless Steel: 5/8" ▪ Aluminum: 1/2" M5-F1500 Nitrogen Generator – *60 HP VSD* ASLUL 8-Shelf Integrated Load/Unload Mat'l Storage Capacity: 50,000# **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 **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 **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 **Amada Pega 345** 58 Station, A/I – 300 Hits Per Minute 6M Control Stand Alone/MP Ready
Press Brake *CNC Control*	1 - Amada FAB III CNC 1253 - *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 *425-Ft Motorized Conveyor Line with 5-Stage Prewash* **Water Treatment**	**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 **WATER TREATMENT SYSTEM** Reverse Osmosis Water Treatment System – 10 GPM De-Ionized Rinse Water Recycle System – 10 GPM Evaporator – 18 GPH

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Hardware	5 - Haeger 824 Insertion Machines - *Auto Feed* 4 - Haeger 618 Insertion Machines - *Auto Feed*
Welding *Robotic & Manual* *AWS-Certified Welders*	"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
Spot Welding **Stud Welding**	1 - Spot Welder 100 KVA/Rectifier 0.187 AL Max. - *24" Throat* 1 - Spot Welder 100 KVA - 24" Throat 0.090 AL Max. - *0.25 Max CRS* 1 - Spot Welder 75 KVA - 24" Throat 0.060 AL Max. - *0.187 Max CRS* 2 - Stud Welders
Machining **Shearing**	1 - Jet Geared Head Engine Lathe - *19" x 40"* 1 - Bridgeport Vertical Milling Machine - *9" x 48" Table* 1 - Amada Horizontal Production Band Saw HA-250 - *Auto Feed* 1 - 100 Ton Hydraulic Vertical Press 4 - Drill Presses 8 - Tapping Heads 1 - LVD Hydraulic Shear - *10'*
Deburring & Finishing	2 - Vibratory Tumbler Combo Finishing/Drying System 1 – Kendal Ultrasonic Cleaner 2 – Sandblasters (pneumatic) – *various media, including glass bead* 2 - Torit Dust Collection Systems 1 - Torit Downdraft Sanding Booth 2 - Stroke Sanders - *PMC-158-5 / PMC-264-6* 1 - Timesaver Heavy Duty Metalworking Grainer/Deburrer - *Wet / 37"*
Quality Control	**AS 9100 ▪ ISO 9001 ▪ ISO 27001 ▪ 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
Shop Air	1 - Sullair 50 HP Compressor - *Variable Speed Drive* 1 - Sullair 25 HP Compressor - *Variable Speed Drive* 1 - Sullair 15 HP Compressor - *Variable Speed Drive* 1 - Quincy 60 HP Compressor - *Variable Speed Drive* 3 - Air Dryers
Handling	3 - Fork Trucks – *Capacity: 1 @ 12,000 lbs • 1 @ 6,000 lbs • 1 @ 5,000 lbs* 7 – Pallet Trucks – 1 Electric, 6 Manual 2 - Overhead Cranes – *5-ton and 3-ton* 1 – Electric Hoist – *1 ton* 1 – Scissor Lift 1 – 2019 Freightliner 26' Box Truck 6 - Loading Docks
Buildings	2 Physical Plants - 1 Manufacturing & Corporate Headquarters (26,568 sq ft) - 1 Manufacturing & Warehouse (9,758 sq ft)