CORPORATION

PROTOTYPING FACILITY

Engineering and Fabrication Capabilities

EPS Corporation provides manufacturing and rapid prototyping capabilities in various fabrication areas. Our capabilities are backed by a strong engineering, drafting and quality assurance contingency directly supported by our CMMI-Dev Lev 3, AS9100D and ISO 9001:2015 certifications. If design is required, our team is proficient in SolidWorks, AutoCad, Eagle for PCB design and other design software. EPS' strengths are in engineering design and analysis prior to fabrication. This minimizes quality control discrepancies and fabrication/material waste. Through our internal reviews and processes, we ensure that all facets of the engineering and fabrication are considered to facilitate timely deliveries. Our machines are aligned with our engineering demands and skills to provide complete in-house capability. Our employees are certified on our equipment to increase the proficiency and understanding of each machine. Our capabilities include:

- **Haas VF4SS 4-Axis Super Speed Mill**
- **Haas ST-30Y High Performance Lathe**
- **Ward Jet X-1530 (water jet)**
- **Welding (MIG/TIG/Cutting)**
- **3D Printing**
- **Environmentally Controlled Quality Room**
- **Electro-static Discharge (ESD) Room**

EPSFabricationQuotes@epscorp.com
EPS Corporation, 511 Skyview Dr, Panama City Beach, FL 32408
850.588.5145

CORPORATION

MILLING/MACHINING

Haas VF4SS

4-Axis Super Speed Mill

EPS offers the ability to produce precision milled parts from our Haas high-performance Super-Speed vertical machining center. Our VF-4SS is a medium sized, liquid cooled, mill with high spindle speeds, fast rapids, and quick tool changes necessary for high-volume production and reduced cycle times. Our machine features a 12,000-RPM, inline direct-drive spindle, side-mount tool changer, and high-speed rapids on all axes. The mill has a maximum working footprint of 52 inches by 18 inches for the mill head range. Larger materials can be shifted around to accommodate an increased mill cutting footprint.

MILLING/MACHINING

High Performance Lathe

EPS' High-Performance Haas ST-30Y Lathe offers a turning center of 14 inches in diameter and maximum depth of 23 inches through a 3400-RPM spindle. Material can be rotated to accommodate a total bore length of 13 inches. Our medium footprint lathe, complete with mill features, allows for easy setup flexibility, extreme rigidity and high thermal stability provided by the coolant management system. Our Lathe comes with a Visual Programming System (VPS) that uses graphical templates and a form-like interface to help you quickly create G-code programs for basic part features and complex operations.

Haas ST-30

PRECISION CUTTING

Ward Jet X-1530

Water Jet

EPS has Water Jet capability in the form of a mid-sized Ward Jet X-1530 engineered for speed, accuracy and strength. Our X-1530 provides a continuous output pressure up to 60,000 psi with a material working footprint of 8 feet length by 4 feet width and can cut up to 10 inches in thickness (some material can be up to 12 inches thick). It can create shapes and parts with flawless precision while minimizing maintenance time. The water jet allows for more efficiency and lasts longer than competing machines. The water jet uses the combination of highly pressurized water, air and an garnet abrasive (environmentally friendly) to perform its cutting functions. Cuts and material can vary from rough cuts (quicker) to precision cuts with a ± 0.005" tolerance on materials such as: Alloys, Steels, Composites, Plastics/Acrylics, Rubber, Gaskets, Fiberglass, Glass and Styrofoam.

WELDING & ASSEMBLY

EPS maintains the ability to weld almost any material. Our American Welding Standard (AWS) certified staff brings the capability to weld steel, aluminum and stainless. Our employees maintain current welding logs and certificates to comply with AWS and DoD standards. EPS offers MIG and flux-cored welding, TIG and stick welding for aluminum, and Plasma cutting for mild steel, stainless steel, aluminum, brass and copper. EPS' welding area is complimented by a fixed 5-foot by 10-foot welding table outfitted with welding screens to ensure safe operation and protected workspaces for our staff. All of our welding machines come with remote capability, if 208v/3 phase power can be provided on site.

Power MIG 256

Precision TIG 275

Tomahawk 625

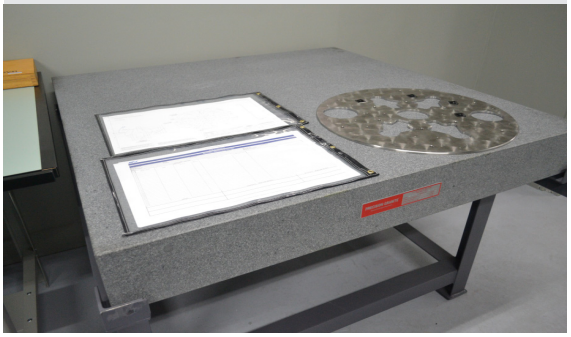
QUALITY CONTROL

Environmentally Controlled Facilities

In addition to our environmentally controlled fabrication spaces, EPS has an environmentally controlled quality room for quality assurance of fabricated parts. Our calibrated equipment is always maintained and certified.

Quality Control

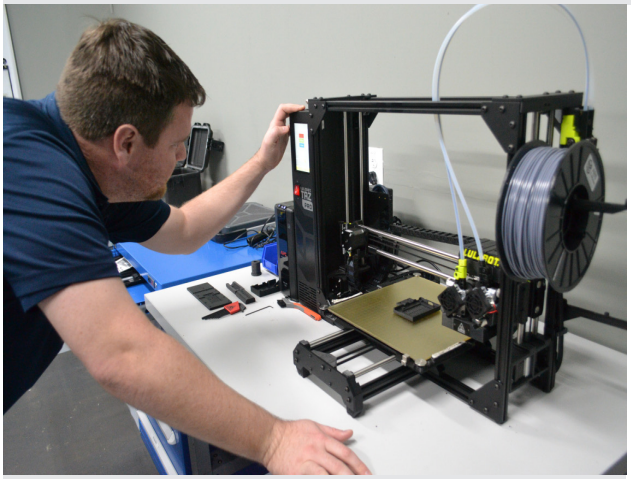
We provide qualified engineers, quality control specialists, precision measuring equipment, and facilities in order to provide the highest level of Objective Quality Evidence (OQE) for all projects.

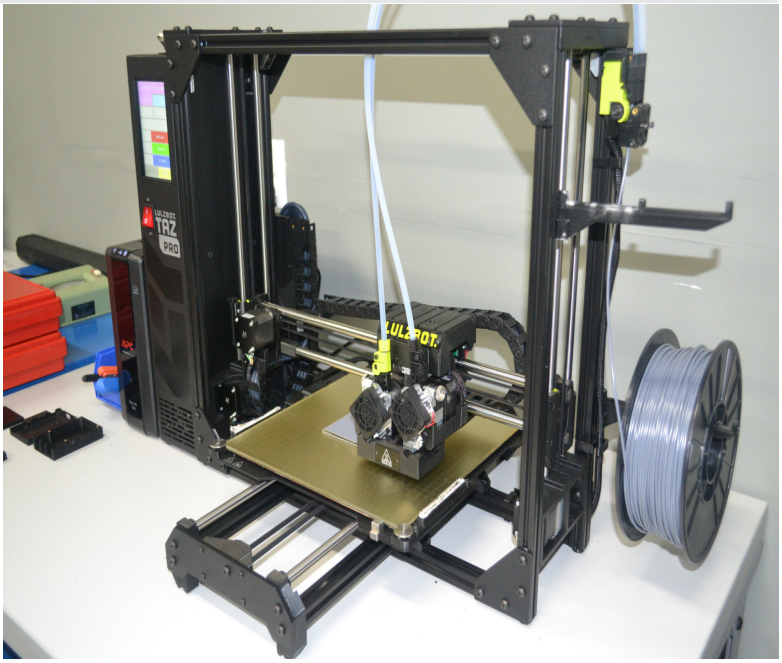


3D PRINTING

3D Printing

EPS' 3D printing capability allows concept or rapid prototyping solutions on demand. Our 3D printing provides the form, fit and function aspects while saving the time and material for concept development. In some cases, 3D printing can allow obsolescence parts to be provided rapidly and offer long term design solutions. Our 3D printing capabilities provide a large area, multi-material and soluble material solutions in our products. With footprints of 11 inches (length), 11 inches (width), 11 inches (height) and heated surface our 3D printing is an Open filament system compatible with PLA, ABS, Nylon, Polycarbonate, Carbon Fiber Reinforced Blends, TPU 85A & 95A (Flexible), PETG, PETT, Copolyester, PVB (Polycast), PVA, HIPS, and many more 3rd party filaments.



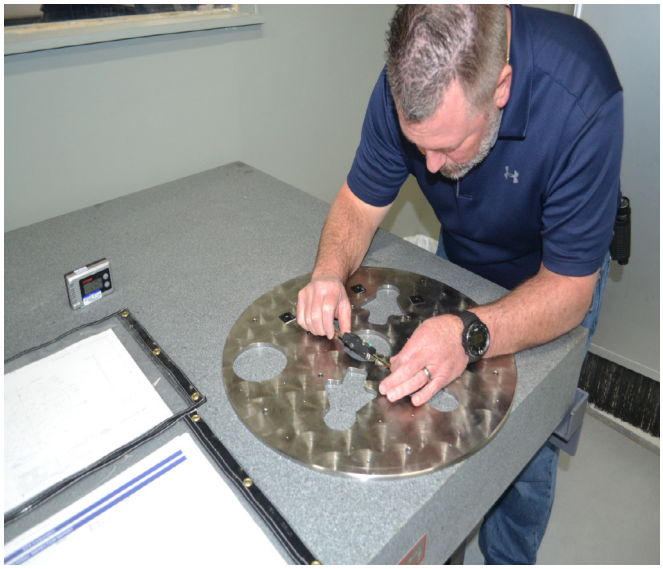


Electro-static Discharge (ESD) Room

EPS has a 320 square foot Electro-static Discharge (ESD) Room complete with two (2) ESD stations. Our ESD Stations come with microscopes for small production and repair of electronic parts by our J-STD-001 certified staff. The ESD stations are grounded and complete with ESD leashes to ensure safety to all employees.

CORPORATION

PROTOTYPING FACILITY



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