

Fabrication, Fulfillment Capabilities & Services



We offer you...

Flexible and experienced design & manufacturing team that will provide you locally-produced, short-run, high-quality parts and subassemblies. You'll save time and equipment investment required for metal, plastic, wood and fabric by leveraging our capabilities refined from over 30 years of experience.

Background and Mission:

Fire Farm is an industry leader known for its innovative award-winning product design, excellent fabrication quality, and responsive customer service.

Three decades of successful fabrication of high-end decorative custom and production lighting fixtures has created capabilities we want to share with local partners. Our experience with an unusually wide range of materials, a broad array of tooling, and manufacturing expertise can now be tapped by you for your projects.

We offer a variety of services from simply providing cut components to the fulfillment of more complex assemblies and services. We can't do everything, but if it is a good fit, we will do it well. If you are looking for a partner in your success, not just a supplier, consider our assistance.

"In our business, being flexible for the customer is key. Fire Farm has been an excellent provider to help us achieve some of these tight timelines."

*-Justin Augustyn
General Manager
Mobile Track Solutions*

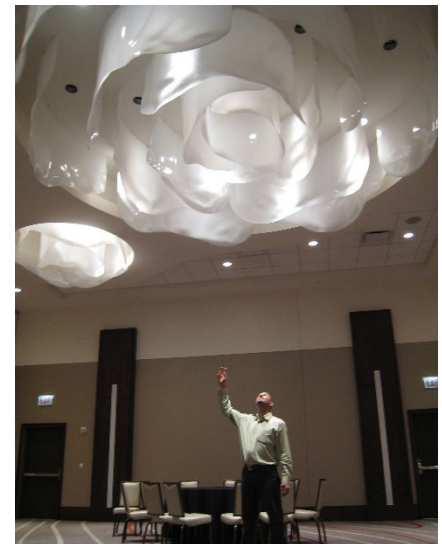
Services:

- Component parts cutting and finishing
- Full-service sub-contracted design, prototyping and fabrication for short or medium-run production including packaging, warehousing and distribution capabilities
- Product design and material selection services
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- Crating design and fabrication for larger projects
- Sketchup and Fusion 3D Modeling
- Underwriters Laboratories listing for Luminaires



Equipment Capacities:

- Laser & Plasma cutting and CNC Router
- Sheet Metal Fabrication
- Powder Coat Painting
- Plastic Drape-Mold Thermoforming
- 3D Printing
- Wide-Format Printing



CNC Cutting

Laser Cutting:

Capacity: 5ft x 10ft Bed for sheet or 5ft wide roll stock
Materials:
Plastics: Acrylic, PETG, HDPE, Styrene and others up to 1/2in thick
Wood/Leather/Fabric: Up to 1/2in thick
Metal: Mild steel up to 16gauge
Others: Possible availability upon request



Plasma Cutting:

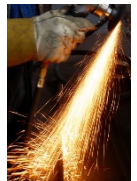
Capacity: 5ft x 10ft Bed
Materials: Steel, Brass, Copper, Aluminum up to 3/8in thick

Routing:

Capacity: 5ft x 10ft (single tool, no auto-tool change)
Materials: Plastics, Wood, Aluminum

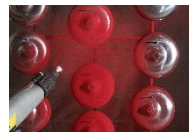
Light Gage Metal Fabrication

Equipment: 40 Ton x 6ft Press Brake (up to 14gauge)
Metal Shear (up to 14gauge)
12ft Apron Brake (up to 14gauge) & 4ft Magnetic Brake (up to 16gauge)
50in Slip Roller (up to 14gauge)
Ercolina Ring Roller (up to 1/2in) steel & aluminum
Mig Welding Steel and Aluminum



Powder Coat Paint Metal Finishing

Batch Oven Process: Oven handles objects up to 6ft W x 7ft H x 10ft D
Hand cleaning
Hand-applied powder coating



Plastic Fabrication and Thermoforming (Drape Molding)

Oven Capacity: 4ft x 8ft sheet up to 1/4in thick
Materials: Acrylic, Polycarbonate, PETG, and others



Printing (3D & Wide Format)

3D Fused Filament Fabrication (3D Printing)

Capacity: 15in L x 15in W x 27in H build volume
Materials: Wide range from carbon-fiber, wood and metal-infused PLA to PETG, Nylon and others. From finished product to carbon-fiber positives for high-temp. urethane mold making.

Wide Format Printing

Capacity: Up to 60in Wide aqueous inkjet printer for full color or line plotting output.
Materials: Roll stock, paper, pressure-sensitive adhesive-backed vinyl and polypropylene, fabric and canvas.