

State-of-the-Art Tools & Service

— with nearby South Texas Convenience

No longer do you have to travel to Houston, Dallas, or even out of state for your high-tech fabrication needs. SkyWay's Uvalde-based machine shop and sheetmetal capabilities are available to nearby communities like Del Rio, Laredo, Eagle Pass and San Antonio, Texas.

We offer the latest in sophisticated CNC machining technology, including one of the largest abrasive waterjet cutting machines in the region. A wide variety of forming and fabrication technologies are on-site, including CNC milling, alodyning, sheet metal bending, two open-face filtered paint booths and more. Our flexible and programmable equipment is ideal for short-to-medium production runs or one-off prototyping for R&D projects.

Aerospace Quality at Hometown Prices

Owned and operated by a premier aircraft manufacturing and modification facility, our machine shop facilities meet stringent FAA requirements for aerospace manufacturing. That means you can count on the same attention to detail and quality craftsmanship we use for mission-critical components in multi-million dollar aircraft.

Experienced technicians will help you bring your design to life, whether in aluminum, steel, or something more exotic. Our in-house waterjet cutting system handles brittle and/or heat-sensitive materials with ease. It's perfect for custom stone countertops or unusual signage and display projects.



Machines for Machining.

Here's a partial list of our current equipment:

- HAAS VF6 5-axis CNC mill: Y30" x X60"
- HAAS VF2 4-axis CNC mill with Y15" x X30"
- OMAX Waterjet cutter, 4' x 8' bed size
- 100 Ton CNC Brake
- CNC Mandrel Tube Bender — .75" to 1.5" OD, max. radius 3.75", min. radius 1.5"
- Tube Bending Machine — .375" OD to 1" OD, rotary draw, max. radius 4", min. radius 1.5" — for Aluminum, Steel and Stainless Steel
- One CNC Lathe
- One manual Lathe
- Two manual Vertical Mills
- One MIG Welding Machine
- Two TIG Welding Machines
- Chicago Dreis & Krump UHS 10135 10 Ga. Shear — 10 Gauge Capacity, 17' 7/8" Table Size

Other in-house capabilities include

- Filtered Air Paint Booth
- Alodyne surface treatment
- Precision assembly & sheet metal fabrication



Complex Curves & More.

Blue Elephant CNC Router

SkyWay's Blue Elephant CNC Router is the perfect computer-controlled machine for cutting and engraving wood, acrylic, MDF, plastic, marble, rubber, epoxy resin, glass, foam, crystal and other materials.

OMAX Waterjet

The OMAX waterjet machine precision cuts all types of metals: hardened tool steel, aluminum, titanium, and a host of exotic metals that prove difficult to cut with other tools or processes. Waterjet cutting produces a smooth edge with no burn marks, cracking or excess burrs. In addition, since waterjet is a cold cutting method, there are no heat-affected zones. This remarkable machine easily handles traditionally 'un-cuttable' materials like ceramics, glass, and stone. And this remarkable cutter is powerful enough to slice through a 6" steel I-beam!



Custom Aviation-class Machining & Manufacturing in South Texas



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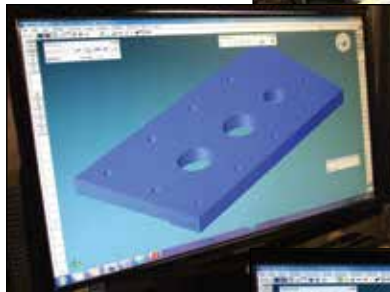
PROTOTYPING

Low Quantity *and* High Quality.

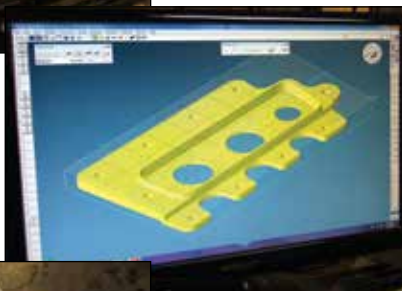
Whether your needs are for a one-off prototype, a short production run or logistical support for custom installation or parts fabrication, SkyWay Manufacturing is ready to help shape your goals into reality.

Our manufacturing facility occupies a unique position, straddling the line between a "job shop" - building one-off custom items - and a full-fledged short-run manufacturing operation. To accomplish this requires a highly flexible staff, capable of adapting quickly to a variety of tasks.

A SkyWay associate begins with 3D design & CAM (Computer-Aided Manufacturing) software to program the computerized machine tools for part production.



A typical process begins with boring precision holes in a "blank" of high-grade aluminum, steel or other metal.



CNC (Computer Numeric Control) machining refines the shape by cutting and milling the workpiece to the designed shape and finish.



Quality Assurance: After surface finishing, the part is ready for Quality Control to verify it meets design specifications.

FABRICATION

Aerospace-Quality Assembly.

SkyWay is an FAA-certified PMA parts supplier for the aerospace industry. We specialize in aerospace-grade fabrication, manufacturing and assembly and maintain a vendor certification program that is constantly monitored by the Federal Aviation Administration (FAA) for compliance with strict aerospace industry standards. Our experience includes a variety of specialized clients, including:

Military/government contract program support:

- **ISR**
- **DOD**
- **NOAA**

OEM Aerospace manufacturers, such as:

- **Textron Aviation / Cessna / Hawker Beechcraft**
- **SAFRAN/SNECMA Aerospace**



GENERAL MACHINING

Outsourcing is the In Thing.

Whether you need airframe parts, custom signage or even a unique ranch gate, SkyWay's experienced personnel and sophisticated equipment are here to help. We're well equipped to machine & fabricate materials ranging from aluminum, stainless steel and Inconel to stone, ceramics and more. Here are just a few examples:

- **Stainless Steel**
- **Phenolic**
- **Acrylic**
- **Foams**
- **Aluminum**
- **Ceramics**
- **Armor Plate**
- **Marble**
- **Kevlar**
- **Carbon Steel**
- **Ceramic Tile**
- **Titanium**
- **Copper**
- **Brass**
- **Hastelloy**
- **Wood**
- **Silicone**
- **Plastics**
- **Carbon Fiber**
- **Graphite**
- **Fiberglass**
- **Laminates**
- **Glass**
- **UHMW**
- **Rubber**
- **Granite**
- **Inconel**



PRODUCTION

Cost-Effective Short-Run Parts.

If you need a source that provides both design and production capability, look no further. Sophisticated multi-axis CNC machining enhances accuracy and minimizes setup and run times. One-off or short-run, we can produce tooling, jigs, high-quality fixtures and/or production components for whatever your needs are.

Utilizing sophisticated inventory software and decades of real-world experience, our staff carefully tracks materials and labor costs to maximize productivity and minimize production time. Count on us to provide cost effective, on-time solutions to your manufacturing needs — every time.

- **Tooling**
- **Fixturing**
- **Machine Parts**

