



FABRICATION FACTS

INFORMATION & CAPABILITIES

PARTS FABRICATION

The aviation industry requires the fabrication of complex parts and unique materials cut to demanding specifications. Duncan Aviation recently invested in a new machining mill and a water jet cutting machine which will allow you to access the speed, accuracy and cost efficiency of 21st century technology. If you've ever experienced the frustration of waiting weeks for fabricated parts because your production run was "too small" or if you've gone through the time-consuming process of sending critical specifications and materials to a far-away company because they were your only option, Duncan Aviation has a technological solution that will solve your problems in minutes, not days or weeks!

21ST CENTURY PERFORMANCE

Duncan Aviation's VF-6SS HAAS Vertical Machining mill is a high-performance, 4th-axis capable, 12,000 RPM machine that will quite simply save you time and money. It features an inline drive coupled directly to a 20 horsepower motor. The spindle configuration is 40 taper. The table size is 64 x 32" and is capable of holding material up to 30" thick and weighing 4,000 pounds. Another feature to enhance speed and ease of operation is the electronic tool changer. The tool changer can hold 24 different tools and change from tool to tool in 2.8 seconds. This milling machine is perfect for AOG situations and "just in time" inventory.

USING THE POWER OF WATER AND GARNET

Duncan Aviation's Flow International Integrated Flying Bridge 4800 water jet cutting machine cuts through the toughest (up to 8" thick steel or titanium) or softest (leather) of materials, fast! The machine utilizes a 50 horsepower motor that generates up to 60,000 pounds per square inch and produces a stream of water moving at 2,100 miles per hour! A garnet abrasive is introduced at the nozzle and erodes material away at up to 500 inches per minute at an accuracy level of .003 inches. The quality of edges this system produces eliminates the need for costly secondary finishing, saving customers even more time and money. The wide range of materials that can be used allows customers great flexibility in their decision making process. Regardless of your particular need, Duncan Aviation's Fabrication Team can provide superior service with unbeatable turntimes and cost savings that will surprise you.

CUSTOMER BENEFITS

- Prototype to production
- Just-in-time manufacturing
- Standard pricing
- Programmable specifications
- Utilization of CATIA 3D modeling increases programming and return times
- Minimal setup time
- Wide range of materials can be fabricated
- Computer-controlled accuracy
- One-of-a-kind parts

PROVEN TRACK RECORD

- Fabricated many exotic parts over the years
- Created complex GBP panels

CONTACT

Scott Stenke (LNK)
402.479.4223

Scott.Stenka@DuncanAviation.com

TECHNICAL SUPPORT

Jim Lee (LNK)
402.479.1155
Curt Wilhelm (LNK)
402.479.1116