



# COMPU Craft

Fabricators Inc.  
Precision Metal Components

102D Park Dr. Montgomeryville, PA 18936 P: 215-654-4778 F: 215-654-7779



**June**  
Featured Part

Sheet Metal • Machining • Welding & Brazing • Laser Cutting • Enclosures • Polishing

WWW.METALWORK.COM

## 5-axis Machining

We try to use our monthly Featured Part to show a good variety of parts that we make here at Compu Craft, from the simple to the complex. This month we are highlighting a part from the complex end of the spectrum. This part starts out as a 4" x 4" x 1.5" block of aluminum. First it is rough cut using a 3-axis CNC cutting routine. Once the rough cut blanks are finished they are stress relieved in preparation for the final machining operations. Final machining is done on our Haas VF-3YT with TR210 trunion table utilizing our 5-axis machining capabilities. After a thorough inspection on our CMM, the parts are yellow chromated prior to shipping.



**Complete Assembly, Sheet Metal, Machined and Welded Components.**

- > ISO 9001 certified quality management system
- > Certified Welding to MIL-STD-1595a for process DTAW Group 1b, 1ia
- > 100% in-process inspection
- > Certified inspection reports

### Quiz:

The first department store to hold a thanksgiving parade was:

- A. Montgomery Ward
- B. J.C. Penney
- C. Gimbels
- D. Macy's.

### Problem:

A small boat is floating in a swimming pool. You have a rock which you will throw into the pool or put into the boat. Which is true?

- A. The water in the pool rises higher when the rock is put in the boat.
- B. The water in the pool rises higher when the rock is put into the pool.
- C. The level would rise the same either way.

\*Please be sure to check our website for answers to all previous months Problems and Quizzes!  
Go to [www.metalwork.com](http://www.metalwork.com) and click on Problem of the Month link.

### Quote:

Let us remember that, as much as been given us, much will be expected from us, and that true homage comes from the heart as well as from the lips, and shows itself in deeds.

*- Theodore Roosevelt*

### All CAD Formats

Including: dwg, dxf, slddrw, sldprt, sldasm, iges, step, Pro/E, ckd, prt, stl, CATIA 4/5, Unigraphics, Autodesk Inventor, Parasolid, Surface, ACIS SAT