



**COMPU**Craft  
Fabricators Inc.  
Precision Metal Components



## Is That a Bazooka or Something?

This month we are featuring a tubular weldment that is used in the medical field to sterilize equipment. First the rough cut tube is placed in our CNC machining center to have the holes added for the couplings, and to have the ends faced off to ensure the parallel tolerance that is required by our customer. Next the part travels to our weld shop where fixtures are used to accurately locate the couplings, end flanges, and side mounting brackets. The welded part is now passivated before going through final inspection, and then shipped to our customer.



**All CAD Formats:**  
Solidworks (sldprt, sldasm), AutoCAD (dwg, dxf), Inventor, Pro/E, CATIA 4/5, Unigraphics, Parasolid, ACIS SAT, iges, step, ckd, prt, stl



### 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

### Problem:

A goldfish can survive in 1000 cubic inches of water. How many fish can live in a fish bowl that has a diameter of 20 inches?

### Quiz:

- Why do Sleepy Hollow town historians believe the Headless Horseman is often near the church?
- a. They believe he is trying to atone for his sins and get to heaven.
  - b. They believe his body is buried in the churchyard
  - c. They believe he died looking for sanctuary.
  - d. They believe he died while attacking the church.

### Quote:

The oldest and strongest emotion of mankind is fear, and the oldest and strongest kind of fear is fear of the unknown.

*~H.P. Lovecraft~*

\* 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.

**www.metalwork.com**  
**Come Visit Us!**

102D Park Drive Montgomeryville, PA  
P: 215.654.7778 F: 215.654.7779  
E: [potm@metalwork.com](mailto:potm@metalwork.com)

Sheet Metal    Welding & Brazing    Laser Cutting    Enclosures    Machining    Polishing