



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



**JULY**

*Featured Part*

## Stainless Weldment

For July we are featuring the funnel assembly shown here. The first step in the fabrication process is to laser cut the flat pattern shown above (see inset). The flat pattern is then formed along the bend lines, represented in red on the inset diagram. Once formed into the funnel shape, the intersections are welded, in addition to welding on the bezel, hinge tabs, and output tube. Finally the part is passivated to remove weld burn prior to inspection and shipping.

### Quiz:

Which place on earth receives the longest period of daylight on June 21?

- a. The North Pole
- b. The South Pole
- c. The equator
- d. Death Valley

### Problem

Two trains leave a station in opposite directions. Train 1 travels at 18 mph and Train 2 travels at 12 mph. When will the trains be 246 miles apart?

\* 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:

“Obstacles are things a person sees when he takes his eyes off his goal.”

*~ E. Joseph Cossman ~*

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

- >ISO 9001 certified Quality Management System.
- >Certified Welding to MIL\_STD\_1595a for processDTW Group 1b, 1a.
- >100% in-process inspection.
- >Certified inspection reports.

### All CAD Formats:

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

Sheet Metal  
Welding & Brazing

Machining  
Laser Cutting

Enclosures  
Polishing

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