



COMPU*Craft*
Fabricators Inc.
Precision Metal Components



DECEMBER

Featured Part

Donuts and Ice Cream Cones



This month our Featured Part is an aluminum weldment. The torus (mmmmmm... donuts...) is spun as two halves and then welded together and polished to remove the weld burn and create a continuous smooth surface. The cone (ice cream... yum!) is also constructed out of two halves, rolled this time, and then welded together and polished to remove the weld burn and created a continuous smooth surface. The sheet metal portion of the cone is open at both ends, but gets closed during final welding. The larger opening gets closed off when it is welded to the torus. The narrow end has a machined plug welded to it, and if you look closely in the picture to the left you can see two tapped mounting holes in the top. Just another one of the many unique parts fabricated here at Compucraft over our 32 year history!

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.

All CAD Formats:

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

Problem:

Olivia needed change for the bus. She exchanged three one-dollar bills for nickels and dimes and received the exact same number of nickels as dimes. The challenge is to figure out how many nickels there were in the change.

Quiz:

Which was the first state in the United States to recognize Christmas as an official holiday?

- a. Oklahoma
- b. Alabama
- c. Massachusetts

• Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to www.metalwork.com and click on Problem of the Month link.

Quote:

"Christmas is doing a little something extra for someone."
~Charles M. Schulz~



Sheet Metal Welding & Brazing Laser Cutting Enclosures Machining Polishing

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