



September

Part of the Month



Quote:

I like thinking big. If you're going to be thinking anything, you might as well think big.

~ Donald Trump ~

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, 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

Precision Laser Cutting At Its Finest

This month we are featuring an artistic piece that was designed in house. This sculpture was designed entirely using KeyCreator CAD software, there are two different length struts, along with five and six spoke hubs, which all come together to form this 15" diameter sphere. This part is a testament to the accuracy of laser cutting. Any inconsistencies would have compounded and then the final pieces of the sphere would not have fit together. The end result is not only nice to look at, but incredibly strong too.

Problem:

The shape was formed by removing a small cube from a big cube. The length of the removed cube is two thirds of the side length of the original cube. What is the volume of the new shape compared with the original volume?

- a. 70%
- b. 50%
- c. 60%
- d. 80%



Quiz:

How did September come to be named?

*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.

www.metalwork.com
Come Visit Us!

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