



Horn of Plenty

This month we are featuring a weldment constructed from a number of machined parts. The conical end piece and mating part are both fabricated on our CNC Lathe. Some of the other items are rough cut on the saw and then go to our CNC Milling Machine for finishing. Once all items are fabricated they go to our welding department where specially designed fixtures are used to accurately locate all items during the welding process. Then items are passivated before finally going on to assembly to have the plunger, springs, and other various moving mechanisms installed.

Part of
November
the Month



Quiz:
Which of the following is heavier than a cumulus cloud with a volume of 1 cubic kilometer?
a. 100 blue whales
b. None of the options
c. the Eiffel Tower
d. the largest ship in the world

Problem:
Two equal squares are placed side by side. The second square has been cut in half diagonally (see drawing to the right). Cut the figure into four identical pieces – the pieces may be flipped over.



* 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:
“A man should never neglect his family for business.”

~ Walt Disney ~

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

www.metalwork.com
Come Visit Us!
102D Park Drive Montgomeryville, PA
P: 215.654.7778 F: 215.654.7779
E: potm@metalwork.com