

# Boxing Day

In honor of that weird Canadian Holiday, our featured part this month is a steel box. This part starts out with the flat pattern being cut on our 3000W laser. The edges are then deburred as required to prepare the part for forming. While the sheet metal is working its way through the shop toward the welding department, our machine shop is busy preparing the tubes, angles, and machined items that are part of this enclosure. After all parts are fabricated, the items are welded together to create the final assembly shown here. The enclosure then receives a final inspection and required paperwork from our quality assurance department before being shipped to the customer.



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

**January**  
Featured Part

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
- > U.S. Department of State ITAR Registered company

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:

Seven matchsticks form two squares as shown in the illustration. Move three matchsticks to get three squares. You can rotate matchsticks, but you can't overlap and/or damage them.



#### Quiz:

January is named after what Roman god who had two faces so he could look ahead to the future and back at the past at the same time?

- A. Jason
- B. Janus
- C. Jupiter

\*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:

"Without change there is no innovation, creativity, or incentive for improvement. Those who initiate change will have a better opportunity to manage the change that is inevitable."  
~ William Pollard ~

[www.metalwork.com](http://www.metalwork.com)  
Come Visit Us!

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

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