



# DECEMBER!

*Featured Part*

## Meet Our CMM

December's Featured Part we are showcasing our CMM. A Coordinate Measuring Machine (or CMM) is an extremely precise way to measure a part. Our CMM has a working envelope of 30"W x 30"D x 24"H, and a linear resolution of  $\pm 0.00002"$ . The CMM can be operated by manual movements, joystick controls, or via CNC commands. Our state-of-the-art software can import a CAD model which can then be used to create a CNC program to measure a part. In the pictures shown here our CMM has been programmed from a CAD model and is measuring a part that was machined on our 5-axis vertical milling machine. The probe will reposition 6 times during the course of this program in order to measure all of the relevant relationships between the features. Whether being used to verify a machining process internally, or as part of a comprehensive inspection report for our customer, the CMM is a valuable tool here at CompuCraft.



### 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.

### Did You Know?

The ages of a father and son add up to 66. The father's age is the son's age reversed. How old could they be? (3 possible solutions).

### Problem:

What United States President Banned Christmas Trees in the white house.

- a. Zachory Taylor   b. John Adams   c. Theodore Roosevelt   d. Abraham Lincoln

\* 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:

"Christmas is a season for kindling the fire for hospitality in the hall, the genial flame of charity in the heart."

*~ Washington Irving ~*



### 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: Sales@metalwork.com