

# August

part of the month



Quote:  
A dream doesn't become reality through magic; it takes sweat, determination, and hard work.  
- Colin Powell -

## Mama, Don't Take My Kodachrome Away

OK, so this isn't exactly a Nikon camera, and I doubt Paul Simon will be writing a song about this part any time soon, but this month we are featuring a machined and welded aluminum camera housing. Specifically an infrared camera used to monitor the temperature of industrial processes. The many sheet metal and machined components are fixtured in place to minimize distortion during welding. The part is then removed from the fixtures, cleaned up in the grinding room, and inspected before being sent off for paint.



### Complete Assembly, Sheet

### Metal, Machined and Welded

- > Approved supplier to ISO 9001:2008 certified companies
- > Quality Assurance to MIL-i-45208a
- > Certified Welding to MIL\_STD-1595a for process DTAW Group 1b, 1ia
- > 100% in-process inspection
- > Certified inspection reports

### All CAD Formats

Including: dwg, dxf, slddrw, sldprt, sldasm, iges, step, Pro/E, ckd, prt, stl, CATIA 4/5, Unigraphics, Auto Inventor, Parasolid, Surface, ACIS SAT.

### July Answers:

\*See website for detailed answers.

### Brain Teaser:

That that is, is: that that is not, is not. Is not that it? It is.

### August Brain Teaser:

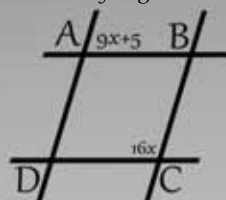
The following word sets contain a pair of smaller word. By putting & between them you will form a familiar phrase.  
Example: Thighbone/Swallowtail is "High & Low."

1. Skyrocketing/Trolleyman
2. Thermometer/Apoplexy
3. Surprised/Trashiness
4. Throughout/Stumblebum

### August Problem:

If ABCD (shown below) is a parallelogram, what is the measure of angle ABC?

- a. 7°
- b. 68°
- c. 78°
- d. 102°
- e. 112°



### Problem:

If you double the sides of a cube, the ratio of the surface areas of the old and new cubes will be 1: 4. The ratio of the volumes of the old and new cubes will be 1: 8.

Weight is proportional to volume. So, if the first weighs 6 pounds, the second weighs 6x8 pounds =48.