



January 2021

Featured Part

Happy New Year

For January's Featured Part we are showcasing a steel weldment that has been powder coated white. This part brings together a part that is cut on our rotary axis laser with some formed brackets. In addition to cutting the holes seen in the tube, we utilize the rotary 4th axis on our laser to also cut slots to locate the brackets. The brackets are simple formed sheet metal that have tabs on the flanges that will plug in to the slots on the tube as a method to easily locate them for welding. Rotary axis laser cutting keeps the parts out of our machine shop which is a cost saving measure, as is utilizing a notch and tab method for locating the brackets. The end result is a less expensive part that is able to be produced more quickly.



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

Fun Fact:

The original Time Square NYE Ball weight in at 700 pounds, and the new ball weights in at 11,875 pounds.

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
- D. Juno

*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:

"Celebrate endings—for they precede new beginnings."

~ Jonathan Huie ~