2015 Projects – Wendell August Forge

Background: Wendell August Forge in Grove City, PA produces hand-wrought ornamental metalware, including approximately 100,000 Christmas tree ornaments per year. Over the last two years, GCC student teams developed an automated forging process using positioning hardware and software from **Aerotech** to control the die and metal blank position and to feed sheet stock into the machine.

The Project: There are two options this year. The first is to develop a machine to automatically cut ribbon from a spool to a length of 10 inches and then tie a knot in the end (see below). The second option is to automatically loop a ribbon through the hole at the top of the ornament to facilitate hanging of the ornament on a Christmas tree. Both are challenging projects!

This project will need a team of 7-10 students.







