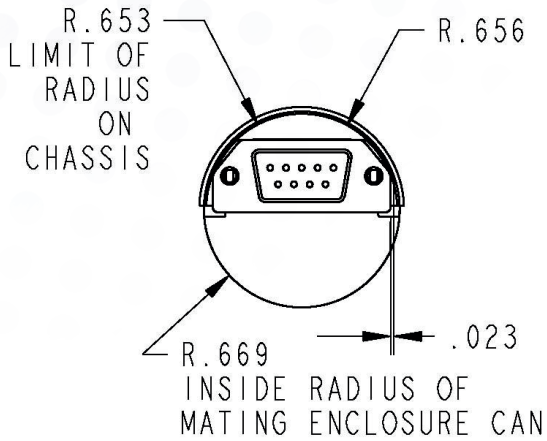
Company Overview

This OEM customer manufactures a wide range of instruments and control systems used in a variety of industries.

One of their product families is used to monitor and manage gas flow rates and pressures. One of the main applications for this product is monitoring the output from coal burning power plants to assure adherence to latest EPA standards



Challenge

The customer's latest generation pressure transducers use a small form factor, but are designed to use legacy 9 pin and 15 pin HD D–Subs.

In order to fit within the reduced diameter of the new transducer, the top corners of the D–Sub flange need to be removed. In order to survive an often caustic environment, this modification needs to take place before the D–Sub shells are plated.

Result

While this program has fairly high demand (50K units annually) – volumes were not high enough to justify a completely new shell stamping die.

NorComp was able to design a secondary trimming fixture for less than 2,000$ that allows for the shell modification to occur prior to the plating operation.

This generated a large cost savings for the customer, and has provided them with a durable part that will withstand the various operating environments required.