Maass Flange Corporation

- Founded in Houston (Sealy), Texas in 1982
- *Fully integrated domestic manufacturer* of Stainless Steel Flanges
FULLY INTEGRATED MEANS:

- WE PURCHASE THE RAW MATERIALS IN BILLET FORM FROM QUALIFIED STEEL MILLS
- HOT FORGE FROM THE BILLET INTO A FORGING SHAPE
- FULLY MACHINE
- INSPECT
- SHIP
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- Select the properly dimensioned billet
- Saw cut the correct length of billet, which represents sufficient weight to fill the mold/die during the forging process
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- Heating the cut billet/bar materials using Gas furnaces to a temperature range between 2200 and 2300 Fahrenheit
- Shaping the red hot steel into the general shape of its final finished flange dimensions with sufficient allowances for machining and forging flaws
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- Heat treat the finished forged as per required material specification, which usually entails water quenching known as solution annealing at a specified temperature.
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- After completing the forging and heat treatment process, the machining process cuts and removes the excess material from the forging and trues up the forging to the finished machine dimensional specification including the bolt holes and ID, if appropriate, giving it its finished dimensional shiny finish.
Flange from start to finish

The manufacturing process to make a Stainless Steel
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- After marking, the product must pass a final inspection, checking for visual deficiencies and additional inspection if required by customer.
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- After inspection, the product receives a final cleaning and packaging onto freight pallets or wooden crates as required by customer requirements.
The manufacturing process to make a Stainless Steel Flange from Start to Finish

- Shipping the finished and packaged products to our customers or drop ship directly to the end users using standard freight lines or our own local trucking ability.