Case Study – Aerospace Industry

The Customer

Bradhart Products was approached by a long time *Aerospace* customer who was looking to expand their business and was seeking a suitable supplier to manage ***several hundred different part configurations*** over a 6–12 month time frame. These components were historically produced internally.

The Challenge

The requirements included an extensive amount of ***quality expertise*** to meet stringent aerospace certifications:

- There was a vast array of complex part configurations
- The materials included a host of various aerospace alloys, both ferrous and non-ferrous types
- The typical order quantities ranged from 50 – 500 piece lot runs
- Timing was critical and the deadlines had to be met in order to make the project successful

The Solution

We accepted this challenge and here is a summary of what was accomplished:

- Bradhart's engineering and customer service team scheduled ***weekly feasibility and production planning meetings*** with the customer to obtain complete understanding of program implementation
- Utilizing Bradhart's ***fully flexible manufacturing system***, a detailed plan was created and implemented throughout the launch phase to meet the customer's stringent timelines
- Bradhart invested in additional equipment utilizing the latest in manufacturing technology to support the additional required volume
- Detailed process routers, programs, fixtures and tooling were all created, documented and maintained which guaranteed that the manufacturing process utilized with every repeat order was consistent

This project was successfully completed in 10 months and we met all the project objectives including all quality and tolerance specifications and repeatability requirements. Bradhart initiated several manufacturing, engineering, cost savings and material procurement strategies that ultimately provided the customer with long-term savings as well as reductions in order lead times.