

Process Engineering Solution

Situation:

An aerospace engine parts supplier is experiencing an excessive amount of scrap and re-work on a complex part due to dimensional variability in their machining and distortion from an outsourced heat treat process. The scrap parts are resulting in late deliveries to their customer and are causing the supplier to incur substantial costs in material and labor.

IPG Solution:

Working in a partnership with our customer, IPG provided our Process Engineering solution, supported by our Precision Grinding Services, to develop a process that eliminated non-conformances.

How We Do It:

Our team begins by developing a full understanding of our customer's situation. We then partner with their engineering team to assist them with re-engineering the overall process by identify the variables, and developing process steps to produce conforming parts without re-work or scrap.

Benefits:

The IPG Process Engineering solution provides our customer with:

- Technical capabilities that, when used to re-engineering the part manufacturing process, eliminate the cost of scrap and re-work, and ensure on-schedule delivery to their customer.
- A reliable partner, who assists their team in developing, assessing, and continually improving the measurable process performance.

