

Aerospace Industry – Lightweight Aircraft Components

Context

An aerospace engineering firm needed lightweight, high-strength components for a new aircraft model. The components had to be precisely cut from advanced composite materials while maintaining structural integrity. The company in question were struggling to keep up with demand and quality with natural growth.

Solutions

Our team employed state-of-the-art water jet cutting techniques to machine components from carbon fibre composites. The process involved using the highest quality carbon fibre and a predrilling method to mitigate delamination to ensure each part cut was highly accurate and the material kept the natural strength.

Benefits

The components cut using the industry leading techniques improved manufacturing efficiency and material usage which also reduced production time and costs, providing the client with a competitive edge in the market.

