



## Industry Case Study

**BELDEN**  
universal


### HIGH LIFT ACTUATION - AEROSPACE

A leading supplier of aerospace products turned to us with an order for torque-tube assemblies for high-lift actuation systems. Belden not only exceeded custom-design expectations of a highly-complex system based on simple envelope information - but satisfied the customer's unusually stringent manufacturing specifications that go beyond AS9100 requirements such as layered drawings, foreign object damage control, measures of potential process capability of CPU/CPL of 1.33 or higher and many others. To ensure performance through vigorous testing for the required 25,000 flight hours with minimal backlash, Belden custom-built its

own internal state-of-the-art testing machine, allowing us to perform our own in-house testing whenever necessary.

We can also custom-design and manufacture universal joints for a variety of applications including high-lift actuation and control mechanisms for aircraft where low deflection rates, high strength-to-weight ratios and long service life are essential.



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