

THE CHALLENGE

With digital prototyping already in place, Dassault Falcon Jet needed to increase efficiency and productivity in the upholstery shop.

LECTRA'S RESPONSE

Acquisition of a Versalis leather cutting solution enabled the customer to establish a full-fledged digital value chain, from seating design to leather cutting preparation and execution.

RESULTS

Digitalized processes enabled by Lectra's 3D prototyping software and leather cutting solution have allowed the customer to not only streamline operations, but also reinforce its reputation through faster turnaround times and enhanced quality.

LECTRA SOLUTIONS

Design ncept

Versalis®

A CUSTOMER-DRIVEN BUSINESS TRANSFORMATION

Marked by a relentless pursuit of excellence and innovation building the most advanced business jets on the market, Dassault Falcon Jet has earned a reputation as the finest aircraft company in the world. The company focuses on high-quality production to personalize business jets meeting customers' exacting requirements. The process begins in France, where the airframe, engine and avionics are assembled, ending in Little Rock, where the aircraft is finished with a custom livery and interior hand-crafted to precise specifications.

Due to their customers' ability to change interior design specifications during completion, Dassault Falcon Jet needed greater flexibility to meet customer requests faster and more efficiently. Design for manufacturability is a major consideration due to aggressive cost targets and a chief reason behind the company's digital specification-to-delivery process—the most advanced in the industry.

The Little Rock upholstery shop has recently undergone significant reorganization to align the production of aircraft interiors with the digital specification-to-delivery process. After first streamlining its design studio with DesignConcept® 3D design and costing software, Dassault Falcon Jet turned once more to Lectra to revolutionize its cutting room with acquisition of a Versalis® digital leather cutting solution.

A FIRST MAJOR CHANGE WITH 3D DESIGN AND PROTOTYPING

Before working with Lectra, Dassault Falcon Jet used 2D software for the design and development of aircraft seating. The upholstery shop's highly manual prototyping process did not capitalize on the company's use of 3D data and often resulted in inconsistent quality.