

HIGH-QUALITY AEROSPACE SOLUTIONS

Fidelity's aerospace division provides advanced manufacturing solutions to North America's leading aviation, defense, and space companies. Our comprehensive facility, robust project planning, and quality assurance program allow us to offer the highest-grade machining solutions in the industry.

HISTORY

Since 2008, Aerospace machining has been a growing part of Fidelity's work portfolio. In 2019, we undertook several significant investment phases to position Aerospace and Defence as Fidelity's core business sector. We have the certifications, technology, and skills to manage the most critical Aerospace and Defense projects — and the ability to adapt and grow with our clients' needs.

COMPONENTS

- Aerospace Structures
- Turbines + Engines
- Electronics + Avionics Housings
- Antennas
- Actuators
- Propulsion
- Optical Components
- Landing Gear
- Communications Components
(land based, LEO and space)

CAPABILITIES

PROJECT MANAGEMENT

Our robust team of dedicated managers ensures we meet each client's quality, delivery, and efficiency expectations. We maintain proactive communication throughout every project, and have the capacity to handle programs of any size, including long-term deliveries or multi-year programs.

PROTOTYPING, R&D

Fidelity maintains an R&D budget between 15–20% of our annual expenditure. This approach keeps us at the forefront of technology, allowing us to help clients solve challenges related to manufacturing, coatings, and specific processes.

MACHINING

Our machinists utilize state-of-the-art equipment and innovative techniques to create top-quality components for the aerospace industry.

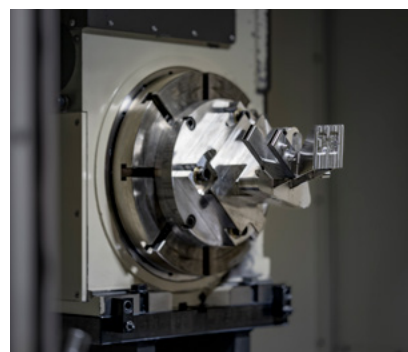
- 5 axis and rotary CNC
- Large diameter CNC turning capacity
- Complex 3D surfaces
- Western Canada's largest and most advanced EDM department
- High-speed precision milling & turning

SECONDARY PROCESSING

We offer a range of secondary processing integrated with an established network of NADCAP approved vendors, enabling us to support any type of project.

ADVANCED METROLOGY & QUALITY ASSURANCE

Quality is of the utmost importance at Fidelity, and is part of every stage of our project workflow. Fidelity utilizes state-of-the-art equipment and follows comprehensive procedures to meet or exceed all of our certification and customer requirements. We can handle complex challenges such as stringent GD&T tolerances or high reliability and chain of custody requirements.



APPLICATIONS



Fidelity is trusted by North America's leading aerospace and defense companies to manufacture high-precision components and consistently solve their most complex machining challenges.

