AtlasFibre

Precision Fabrication at Production Scale

Next-generation products demand more than machining capacity. They demand production environments built for stability - where material expertise, process control, and scale operate as one system.

For nearly 70 years, Atlas Fibre has helped manufacturers move from concept validation to sustained production without disruption. What began as material leadership has evolved into a fully integrated machining platform capable of supporting complex programs at production scale.

Today, within 120,000 square feet of manufacturing space and across more than 85+ CNC milling, turning, and routing systems, Atlas Fibre produces high-performance thermoset and thermoplastic components engineered for demanding applications.

The objective is simple: give manufacturers the confidence to **build what's next** without changing suppliers, requalifying processes, or compromising performance.

AS9100 CERTIFIED

ISO CERTIFIED

ITAR CERTIFIED COMPANY

AtlasFibre

Built for What's Next

Scale is not just about equipment. It's about control.

Atlas Fibre operates more than 85 CNC milling, turning, and routing centers engineered for high-mix, variable-volume manufacturing. Our infrastructure is designed to support growing programs, fluctuating demand, and long-term production schedules without introducing instability.

From first article through sustained production, process control remains constant. Capacity flexes without forcing supplier transitions or requalification delays. Integrated material supply reduces lead times and eliminates unnecessary downtime.

When demand shifts, production doesn' stall. It adapts.

Where Advanced Machining Meets Material Mastery

From micro-component fabrication to large-scale part machining, see the results at atlasfibre.com/showcase.

ENGINEERED FOR EXCELLENCE

Precision at scale requires more than machines - it requires deep material knowledge and disciplined systems.

As North America's leading manufacturer and distributor of thermoset composite laminates and high-performance plastics, Atlas Fibre brings material authority directly into the machining environment. Material selection, engineering validation, and production planning operate as one coordinated system.

This integration reduces downstream risk, improves repeatability, and accelerates program approvals.

Every component is validated using advanced metrology systems, including CMMs, 3D scanning, and optical measurement technologies. Comprehensive documentation - including PPAP, FAIR, PQP, and SSA - supports compliance across aerospace, electrical, industrial, and advanced manufacturing applications.

The result is production stability - run after run.

Full Range of Specialized Machining Capabilities

- High-volume, high-mix machining
- Micro machining for intricate, tight-tolerance features
- Large-format 5-axis machining for complex geometries

Large-Part Machining

Continuous 5-Axis Fabrication of Complex Parts

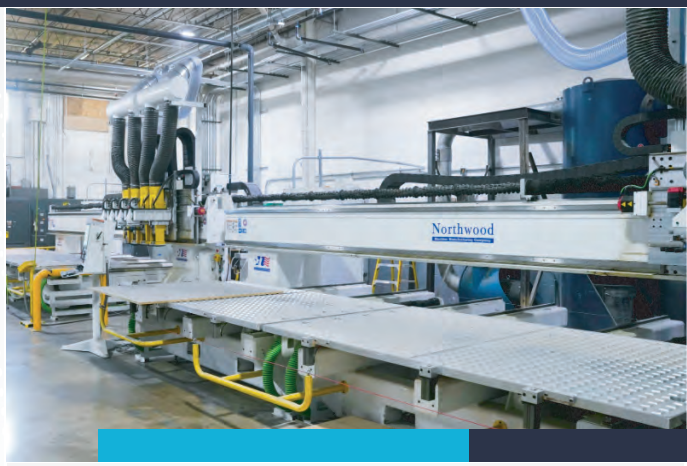
Advanced products demand advanced geometry.

Atlas Fibre's continuous 5-axis machining systems enable complex thermoset components to be produced in a single setup—improving dimensional accuracy, surface finish, and repeatability. A large machining envelope supports oversized parts without sacrificing precision.

By reducing repositioning and secondary operations, 5-axis capability improves efficiency while protecting part integrity.

From design validation through production ramp-up, optimized toolpaths and stable process control ensure seamless transitions at every stage.

Built for complex geometries, built for production environments, **built for what's next**.



Complex Geometry. Single Setup. Total Control.

- Capable of machining parts up to 10' x 10'
- Single-setup machining for complex geometry
- Superior surface finish and tight tolerances
- Reduced cycle time with improved consistency

High-Production Paralell Routing

3-Axis “Multiplex” Component Machining

Atlas Fibre’s multiplex routing platform enables true parallel machining—producing multiple components within a single cycle to significantly increase throughput. Unlike traditional one-part-per-cycle processes, multiplex routing delivers higher output while maintaining tight tolerances and part-to-part consistency.

Engineered specifically for thermoset composites, this approach leverages stable material properties to eliminate secondary stabilization steps, reduce handling, and shorten overall cycle time. The result is faster production, lower per-part cost, and repeatable precision at scale.

When programs demand sustained volume without disruption, parallel routing delivers measurable performance.

The Multiplex Advantage

- **Higher Output per Cycle:** Simultaneous machining of multiple components
- **Lower Cost per Part:** Reduced setup time and per-unit processing expense
- **Faster Lead Times:** Parallel production shortens overall cycle duration
- **Consistent Precision:** Stable tooling and material performance across every unit
- **Scalable for High-Volume Programs:** Designed for sustained, repeatable throughput

BUILT FOR WHAT'S NEXT

Next-generation products demand production environments that are stable, scalable, and engineered for complexity.

With integrated material supply, advanced machining platforms, and disciplined process control, Atlas Fibre provides the foundation manufacturers rely on to move from innovation to sustained production — without disruption.

Precision without requalification.
Scale without instability.
Production built for what's next.

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