



SOLUTIONS FOR
Aerospace

PRECISION FORMATTING & OUTSOURCE MANUFACTURING

Choosing the right material **is only half the battle.**

It's no secret that composites play a critical role in lightweighting current and future aerospace projects. But selecting the correct material involves more than just performance stats. Will it run on your lines efficiently? Can it be supplied in commercial-scale volumes? Does it support your sustainability and business goals? You need a partner that can help answer those questions.



Protecting your bottom line, **from development to delivery.**

Web Industries works with OEMs and tiered suppliers to evaluate composites and develop optimized formatting processes that are economically viable at commercial-scale volumes. Having spent a half-century processing, manufacturing, and innovating with flexible materials, we have more experience formatting composites than anyone else in the world. We practically defined certain aerospace standards that made the latest generation of commercial aircraft possible, and we're inventing the technologies of tomorrow that will reduce waste and improve the buy-to-fly ratio of aircraft currently being designed.

The world's top aerospace companies trust Web to bridge capability gaps and accelerate their go-to-market success. They appreciate how we collaboratively address product and process challenges. They value our ability to make them more productive and profitable.

And with multiple facilities in both the U.S. and Europe, we're where we need to be to support them every day.



Reducing risks while **improving outcomes.**

Web's precision formatting, outsource manufacturing, quality assurance, and supply chain services minimize cost variability while maximizing material usability. This simplifies the economics of utilizing composites and helps our customers reach their key competitiveness and environmental objectives.

When you work with Web Industries, know this: You're working with a partner, not a supplier.



Aerospace composite solutions are made in plants. **Trust is a product of relationships.**

AIRCRAFT ENGINE MANUFACTURER SAVES NEARLY \$4 MILLION.

Interested in increasing production throughput, a major aircraft engine manufacturer contacted Web Industries to discuss outsourcing their composite ply formatting operation. They decided to outsource the entire process to us after calculating prospective savings and productivity gains related to supply chain, raw material inventory, material management, and ply cutting / kitting activities. Most important to their objective was the recovery of valuable assets – floor space, personnel, and freezer space – which they could reallocate to final production.

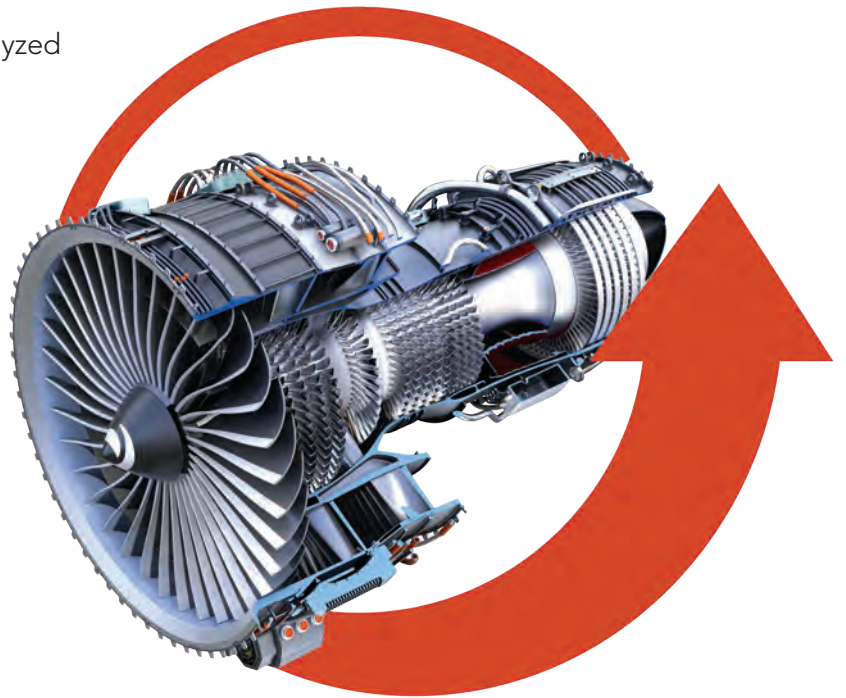
The tipping point? When the manufacturer analyzed how the cost, productivity and increased operational benefits of outsourcing the supply chain and preproduction formatting operations could lead to strategic benefits in winning new business.

**“ This is exactly
what we needed
to do.”**

- Manufacturing Engineer Lead

PRIMARY BENEFITS

- Inventory management costs were cut by nearly \$4 million annually.
- Valuable floor and freezer space was freed up for other purposes.
- Important engineering resources were redirected to their core business.



What Web Industries can do for you.

As a pioneer in composite formatting, we employ an entire spectrum of technologies and services to optimize fabrication rates by custom-tailoring the material to your manufacturing process, production flow, supply chain, and quality reporting needs.

DEVELOPMENT CENTER FOR COMPOSITES AUTOMATION (ATLANTA, GA) and COMPOSITES CENTER OF EXCELLENCE (NANTES, FR)

Our global facilities provide new material processability and fabrication suitability analysis. This accelerates end-to-end material development and qualification cycles, reduces capital and labor costs, and speeds products to market.

PRECISION SLIT TAPES

Qualified on all major AFP and ATL lines, our unique PrecisionSlit® cutting technology allows us to slit and spool prepreg tape as narrow as 1mm while holding exacting tolerances.

CUSTOM SLIT TAPE SPOOL PACKAGE DESIGN

Matching tape length, winding patterns, liner materials, and spool sizes to meet your specific requirements, we provide custom-formatted material that streamlines fabrication workflows, increases production rates, and reduces overall waste.

We are the only composite formatting company with the proven ability to simultaneously support multiple major aircraft development programs.



AUTOMATED PLY CUTTING

Customized, automated table cutting processes produce perfectly cut plies faster and more consistently than traditional hand-cutting methods. Advanced shape-nesting ensures efficient material usage.

ADDITIVE MANUFACTURING FILAMENTS

Working with industry partners, we are developing new technologies that will drive high-volume production of the narrow-width materials needed for current and future additive manufacturing methods.

FULL LOT TRACEABILITY

From master roll delivery through formatting – our systems track temperature, out-time, and defect removal across every stage of processing. This allows for unprecedented historical traceability and yield analysis.

PRECISION PLY KITTING

Using our PlyScan® technology, precision-cut plies are labeled and sequenced into pre-assembled kits that go from our inventory to your production floor. This ensures that kits arrive per specification for final product manufacturing, maximizing throughput rates.

VENDOR MANAGED INVENTORY SERVICES

Industry-leading material management, freezer storage, and inventory control services eliminate the need for you to invest in non-core production infrastructure and labor.

THERMOPLASTIC FORMATTING

Material agnostic, we work with material manufacturers and aerospace/space OEMs to slit, spool, chop, or preform thermoplastic prepregs to optimize them for automated fabrication processes.

QUALITY ASSURANCE & FOD CONTROL

Our AS/EN9100D and Nadcap-certified facilities, aerospace-grade processes, and exacting quality assurance systems provide controlled receiving, formatting, and shipping environments.

Put us to
work for you.



Get in touch with people close to you.

Web Industries formats composites and other high-value materials to drive innovation through the lightweighting of aircraft and rockets. Bringing together unmatched flight-proven scale, aerospace-grade quality systems, and a global footprint, we become a natural extension of our customers' workflow that drives value, mitigates risk, and creates production efficiencies.

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Web Industries is 100% employee-owned.

