



AIRTECH
ADVANCED MATERIALS GROUP

AIRTECH ADVANCED MATERIALS GROUP
UNITED STATES - LUXEMBOURG - ENGLAND - CHINA
www.reduce touch labor.com

We're Serious About Kitting!

Maybe You Should Be Too!



Reduce Touch Labor (RTL)

- Custom Vacuum Bagging Kits
- "Lean Clean Room" Environment
- Reduced Cycle Times
- Improved Manufacturing Quality

ISO 9001: 2000



Frequently Asked Questions

Q: How can kitting reduce my lay-up costs?

A: The time your employees spend to walk around the clean room, find, measure, and cut vacuum bagging materials, can be saved if you purchase a custom "kit". It can include all pre-cut and pre-seamed materials custom made for each specific part. It's literally ready to use out of the box! In turn, time saved is money saved with reduced product cycle times.

Q: What if I have inexperienced lay-up room technicians?

A: Kitting removes many potential errors made by inexperienced workers since they will have everything needed, pre-cut to fit. No guesswork needed.

Q: Will this improve my material waste costs?

A: Yes! This is a major advantage to kitting... significantly reduced waste means less to throw away. Also, it reduces manual cutting errors.



Q: Why can't I cut for kitting in my own shop?

A: You can, but our labor cost is much lower than yours and we use automation for cost efficiencies and repeatable quality.

Q: What are other advantages?

- A:**
- Reduce bill of materials
 - Reduce operator motion
 - Improve material delivery
 - Supports "Lean" manufacturing process



Q: What if I accidentally run out of kits...does production stop?

A: No, we always suggest keeping rolls of all materials in the shop for emergencies. You can always bag the "old way" if needed.

Q: What can be in a kit?

A: Just about anything: custom vacuum bags, release film, breather, peel ply, sealant tape, small rolls of Flashbreaker® pressure sensitive tape, thermocouples, resin infusion connections, or anything the technician needs to bag the part.

Q: How will custom kits increase the quality?

A: Since all materials will be pre-cut to the shape of the part, you will have process repeatability, eliminating many potential errors.

Q: How do I get started?

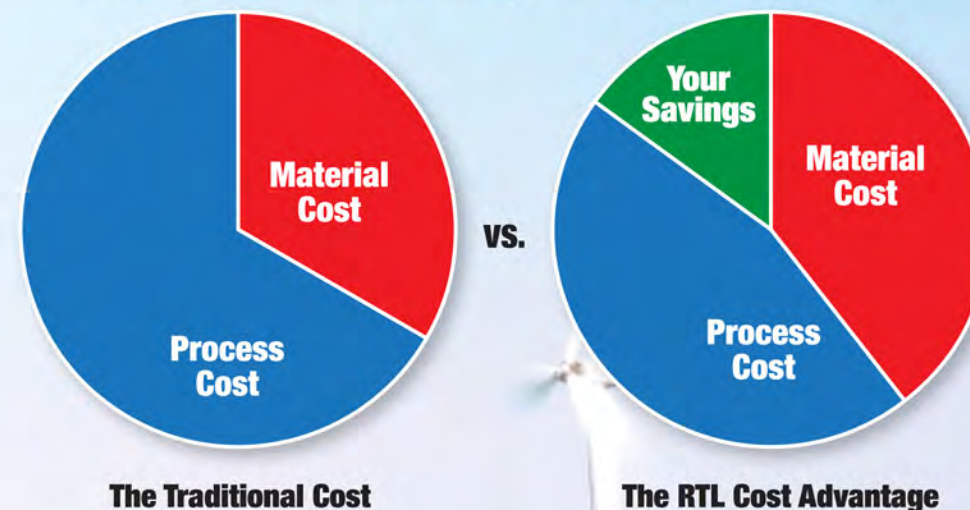
A: Provide Airtech with a flat pattern or solid model of the mold tool and part, along with information about the cure cycle and resin system. Our professional in-house engineering staff is equipped with the latest version of CATIA and can develop a vacuum bagging solution for you. Once it's approved, we will get rolling!



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Economic Analysis

Traditional Methodology vs our RTL System



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Kitting Solutions for a “Lean Clean Room” Environment



“Traditional”
Commodity Roll Stock

vs.



“Lean Clean Room”
Pre-cut and Pre-Seamed Custom Multi-Layered Kit

About Our Companies

AIRTECH, the world’s largest manufacturer of vacuum bagging and composite tooling materials, has been family owned and operated since 1973. We specialize in aircraft/aerospace, wind energy, marine, automotive, recreational, and general FRP composites. Our state-of-the-art facilities are strategically placed worldwide. All of our facilities offer technical assistance and are ready to meet your kitting challenges.



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