



RAMPF Resin Infusion: Save 30% Over Prepreg

RAMPF Composite Solutions' resin infusion technology offers aerospace manufactures a groundbreaking alternative to traditional prepreg solutions, **cutting costs by 30%**!

Prepreg Challenges

High costs of prepreg materials



Autoclave use results in a financially and environmentally burdensome manufacturing process



Consistent refrigeration required to maintain material integrity, leading to higher cost and higher risk



Key Advantages of Resin Infusion

30% Cost Savings: Get aerospace-grade quality parts produced with high fiber volumes at 30% cost savings over prepreg

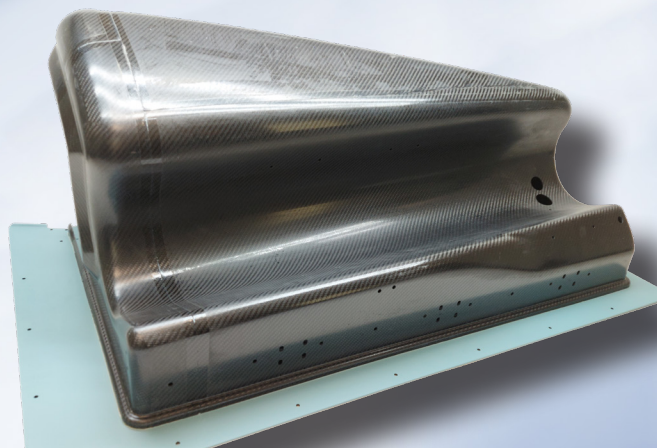
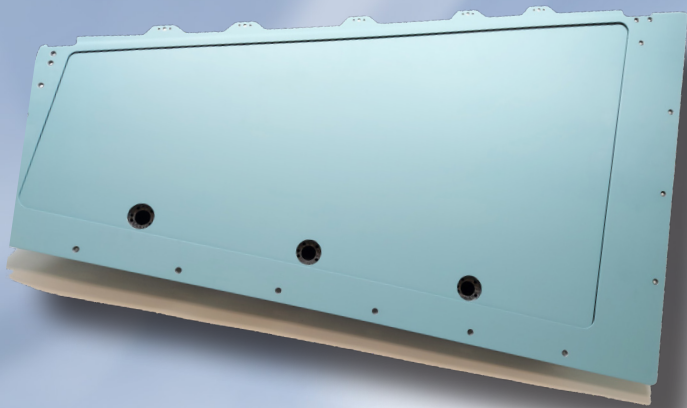
Reduced Environmental Impact: Removal of refrigeration and autoclave requirements reduces the carbon footprint of the manufacturing process

Production Efficiency: RAMPF's integrated network of sister companies speeds up production times and reduces costs



RAMPF's Solutions: Resin Infusion Technology

- Eliminates need for refrigeration and autoclave
- Sustainable, cost-effective alternative to prepreg methods
- Modern 74,000 sq ft manufacturing facility
- Leverages RAMPF Group's additional capabilities for a complete solutions
- Ensure high-quality, reliable production at large volumes and lower cost



RAMPF Resin Infusion: Get to Market Faster & Cheaper

RAMPF's Cutting-Edge Technology In Action: Aircraft Over Wing Enclosure

This application showcases the high standards and reliability of resin infusion, demonstrating the suitability of resin infusion for critical aircraft components.

Solution Highlights:

- Houses evacuation slide
- A Tier 1 customer is moving from inhouse prepreg manufacturing to resin infusion and saving 30% per part

Production Process:

- Dry fabric lamination on custom-designed mould manufactured on-premises
- Vacuum bagging with leak-down testing to ensure high-quality infusion
- Resin infusion using liquid epoxy resin system
- Oven curing at lower temperatures, saving energy, time, and money compared to autoclaves

The Bottom Line:



Aerospace companies need an at-scale solution that streamlines the manufacturing process to be cost-effective, efficient, and environmentally friendly.



RAMPF Composite Solutions' complete, in-house resin infusion technology removes the need for refrigeration and autoclaves, offering aerospace firms a scalable, streamlined, cost-efficient, and greener manufacturing solution.



RAMPF's resin infusion tech meets the critical standards of aerospace components while also supporting high-volume, complete in-house manufacturing.

Cut costs and revolutionize your aerospace manufacturing process with RAMPF Composite Solutions' resin infusion technology.

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