Aerospace

DEVELOPING RELIABLE COMPOSITE STRUCTURES
WITH REPEATABLE RESULTS
Empowering the world to **conceptualize, manufacture and implement advanced composite solutions.**

For 30 years, Automated Dynamics has provided advanced solutions to extreme applications worldwide. We manufacture advanced fiber placed composite structures and high performance composite processing equipment. Through our engineering services, automated fiber placement and tape laying processes we deliver strong, lightweight structures that solve complex problems. We excel at providing solutions to composite structure challenges that others cannot meet and we are the only company worldwide that manufactures continuous fiber thermoplastic parts in-situ! We have produced tens of thousands of composite structures and our automation equipment is in 17 countries.

**AEROSPACE EXPERIENCE & TECHNOLOGY**

**Proven Track Record**

Our highly talented engineers have consulted and worked with the Navy/Navair, Army, Air Force, DARPA and nearly every Tier 1 supplier. They have worked with those organizations to design, develop, prototype and produce composite solutions to the most challenging and critical aerospace applications. Some examples of our work include drive shafts, cargo floor panels, tail booms, fixed wing fuselage and horizontal stabilizers.

**Experts in Thermoplastic Composites**

We are the world leader of in-situ thermoplastic composite fiber placement. The benefits of using this cutting-edge technology are:

- Melt processable (no cure chemistry, no autoclave)
- No toxicity/hazardous chemical issues
- Recyclable
- Exceptional fatigue resistance

**Expert Consultation**

Automated Dynamics will help you choose the automated process best suited for your composite structure geometry and automation objectives. We meet our customers’ equipment needs by jointly developing automation solutions or providing a fully furnished solution based on their input.

- Extreme toughness/damage tolerance
- Superior solvent and chemical resistance
- No refrigeration or out-time considerations
- Great FST (fire, smoke, toxicity) stability
- Hydrolytic stability
- Stable Tg – even under hot/wet conditions
- Low water absorption
- Low coefficient of friction

Call us for immediate assistance - OR - visit our website for more details and technical information!

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