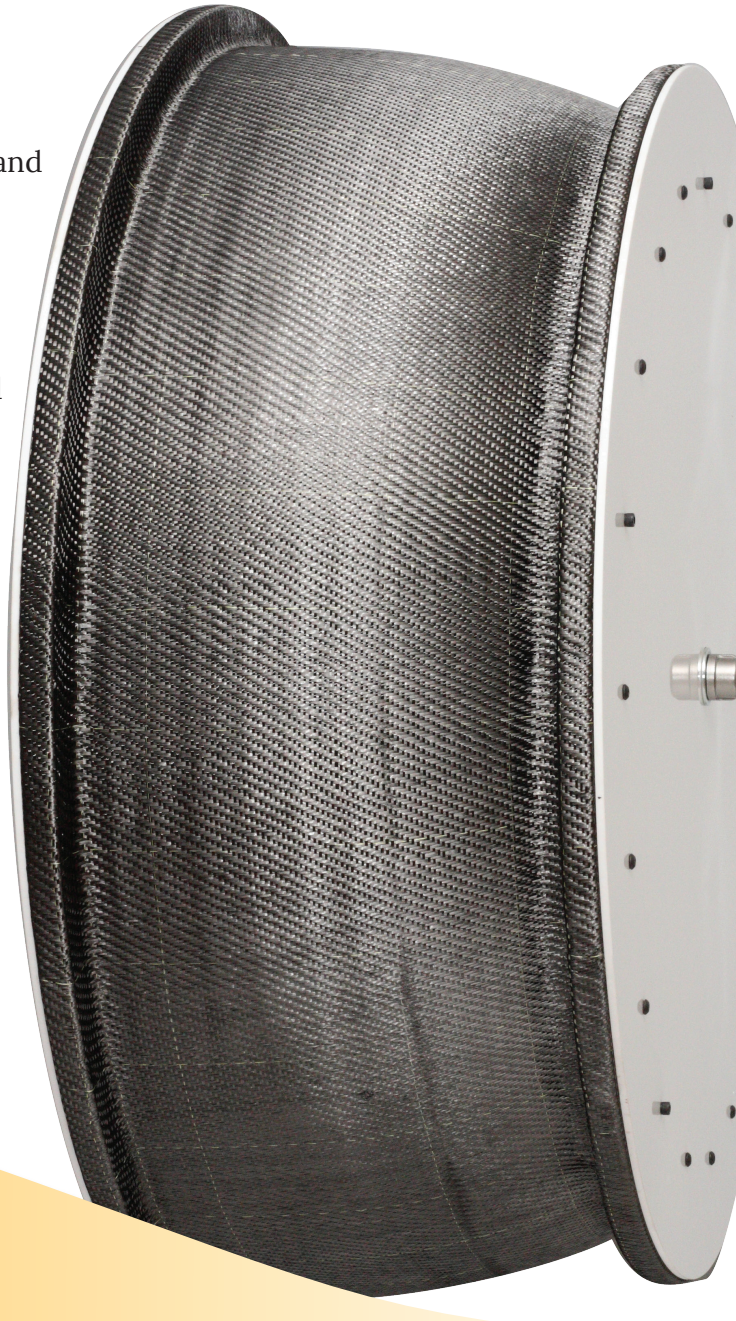
WOVEN/BRAIDED ENGINE STRUCTURES

SOLUTION TO AIRCRAFT ENGINE DURABILITY AND WEIGHT REDUCTION

Demand from airline customers for increased fuel efficiency and lower operating costs has led manufacturers to pursue the usage of composite structures in engine applications. To meet the requirement of composite-for-metal replacement, the engineers at Bally Ribbon Mills developed weaving and braiding processes to supply structures such as fan cases, outlet guide vanes (OGVs) and blades.

The resin infused engine composite parts that utilize woven and braided structures offer:

- Affordable composites for engine application
- Weight reduction as compared to metallic parts
- Increased impact and fatigue properties
- Reduction in engine noise levels



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