

Fabric Prepreg Material Control Industry Review

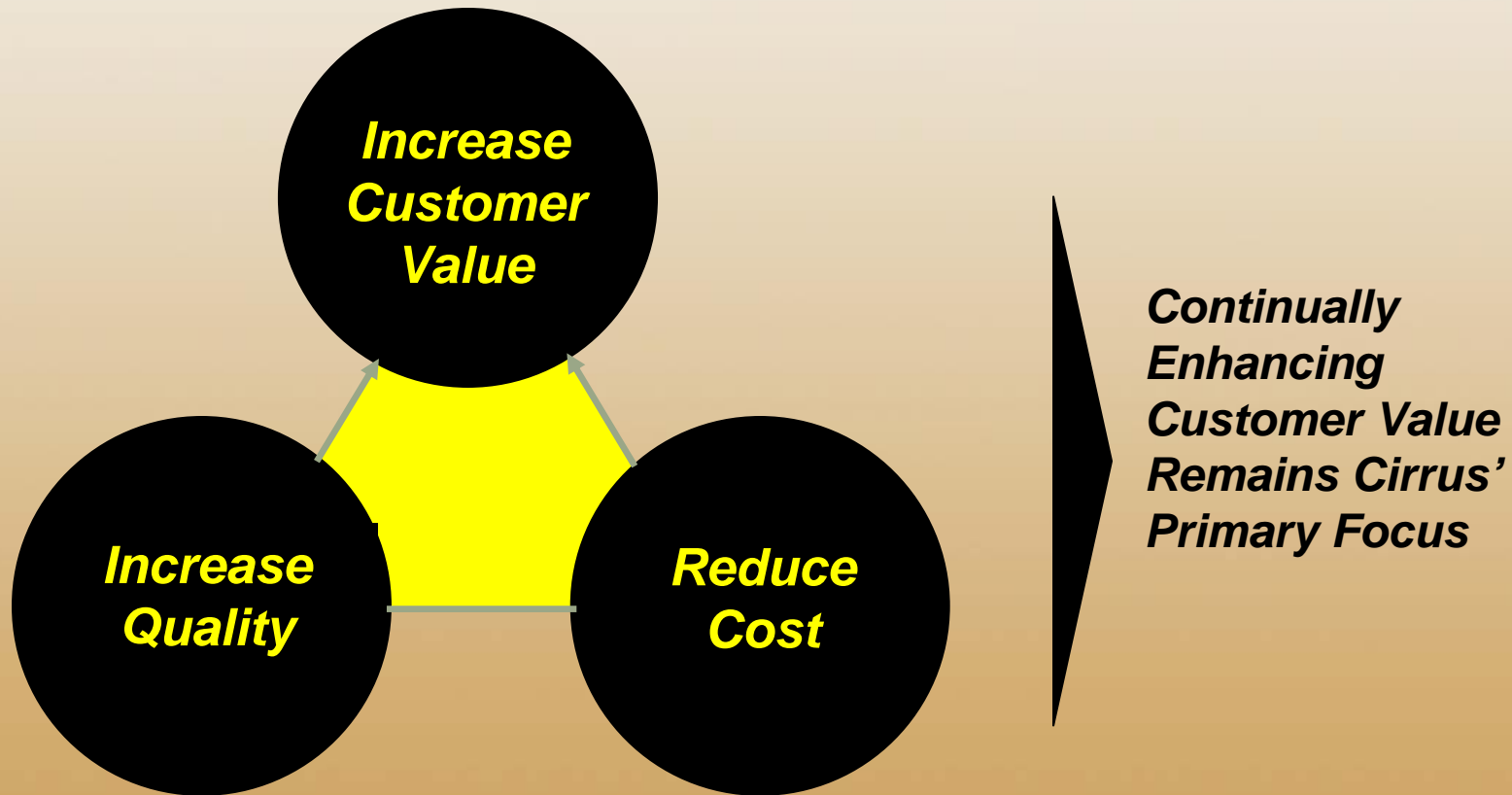


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*Key Characteristics
For Advanced Material Control*



Cirrus Priorities



If we can deliver the highest quality aircraft available in class, at reasonable cost, incorporating best available safety technology, we will change the entire GA industry.



**CIRRUS
DESIGN**

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Material Control Process - Effect on Cirrus Priorities and Goals?

**Composite Part Fabrication is a Cirrus Core Technology.
Material Control is Critical to Reaching Company Goals.**

Fabricating 2 Ship Sets Per Day Requires:

- **Smooth process with low variability.**
- **Robust process → high quality parts produced efficiently.**

Junk in → junk out.



**Manufacturing
Impact**

Effective Product Development Requires:

1. **Mature certification process – clear understanding of requirements.**
2. **Logical, low risk, and timely material testing and approval.**



**New Product
Development
Impact**



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Positive Aspects

***Overall, the guidelines and detailed definitions are welcomed.
Fulfills the purpose of a “standard”.***

***Sets equal expectations and high standards for all parties
involved.***

***Believe industry standard and continuous database
monitoring will help improve quality, lower variability.***



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Problem Areas / Concerns

Current system leaves end-user trying to put together a puzzle without all the pieces → Want to ensure that transfers of responsibility provide a cohesive path of material control from raw materials to final product.

Concerns:

- 1) Increased material cost.***
- 2) Increased level of support required in all areas.***
- 3) Material delays due to testing.***
- 4) Lengthened certification process.***



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