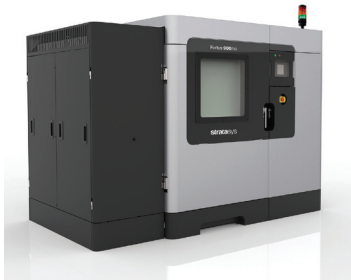# Aircraft Interiors Solution
ROADMAP TO CERTIFICATION

The Stratasys Aircraft Interiors Certification Solution is the pathway to achieving certification of additively manufactured parts for aircraft installation. Aerospace companies now have a faster, more cost effective process for certifying parts using NCAMP (National Center for Advanced Materials Performance) design allowables, as well as the tools and documentation to show equivalency to that dataset.

A key element of this product is the Aircraft Interiors Configuration Fortus 900mc™ and the accompanying Equivalency Toolkit and Process Control Document. Together, they form the foundation to achieving consistent build results for certification equivalency and part production.

The Aircraft Interiors Certification Solution contains the components described on this document and includes all the elements needed to design and build parts for certified aircraft configurations using FDM certified ULTEM™ 9085 resin material.

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Aircraft Interiors Solution

ROADMAP TO CERTIFICATION

Aircraft Interiors Configuration Fortus 900mc

- The Aircraft Interiors Configuration Fortus 900mc includes a new T16A tip, certified ULTEM 9085 material and process control documentation. These elements form the basis for producing high-quality, repeatable build results for equivalency demonstration and part production. Customers who already own Fortus 900mc Production Systems only need to purchase the system upgrade, which also includes the material and documentation support[1].

Process Guidance

- This product includes on-site support and an equivalency toolkit to calibrate and validate the Fortus 900mc operation. A Process Control Document provides the requirements to perform this procedure.

Documentation

- Documentation includes a Material Specification governing the production of certified ULTEM 9085 filament and a Process Specification for using the material to build parts on the Fortus 900mc.
- The Design Allowables Dataset documents the material properties of ULTEM 9085 when printed with the Aircraft Interiors Edition Fortus 900mc.

An itemized list of what is include in the Aircraft Interiors Certification Solution is shown in the following table.

Product Contents	
Fortus 900mc Gen 2 OR Fortus 900mc Upgrade	Aircraft Interiors Configuration – PN 525-00100
	Aircraft Interiors Upgrade for existing systems – PN 525-00150 (Fortus Plus upgrade included)
ULTEM 9085 License	(Not included with the upgrade edition and must be purchased separately)
THE FOLLOWING ITEMS ARE INCLUDED WITH BOTH THE FULL SYSTEM (PN 525-00100) AND THE UPGRADE (PN 525-00150)	
Certified ULTEM 9085	10 canisters - includes Certificates of Conformance and Analysis
ULTEM 9085 Support	2 canisters
T16A Model Tip	5 tips (T16A tip works only with Fortus Plus/certified ULTEM 9085 resin)
T16 Support Tip	2 tips
Equivalency Toolkit	Used with the Process Control Document for system validation (vacuum oven, milligram scale and moisture analyzer not included)
Process Control Document	Provides step-by-step procedure for system validation process
Build Sheets	2 packages (10 per package)
Purge Ledge	1 package (2 per package)
Relevant CMB Files	Used to build test coupons for equivalency testing
Equivalency Support	Up to 3 man-days of on-site support for system setup validation (additional support is available for purchase as desired)
Design Allowables Dataset	Qualification dataset documenting Stratasys certified ULTEM 9085 resin performance
Material Specification	NCAMP-approved documentation for material production and traceability
Process Specification	NCAMP-approved documentation for part production

[1] The ULTEM 9085 material license is not included with the upgrade and must be purchased separately.

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