Company

- Founded in 1987
- Over 28 years experience in Aircraft Interiors
- ISO 9001 approved since 1999
- AS9100 Rev C since Feb 2013

...taking the pressure out of cabin interiors

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- EASA Part 21 Subpart J (Design)
  Approval no: EASA.21J.102
- EASA Part 21 Subpart G (Production)
  Approval no: EASA.21G.2562
- EASA Part 145 (Repair)
  Approval no: EASA.145.01242
- GCAA Part 21 Subpart J (Design)
  Approval no: DOA/145
Design // Development // Reverse Engineering

Our highly experienced team of in-house designers use the latest 3D CAD software & laser scanning hardware to achieve the goals of each project. Whether that is conceptual designs, design changes, reverse engineering or improvements, we maintain the highest levels of communication & understanding resulting in a better service, whilst offering innovative cost-effective solutions tailored to your specific needs.

We believe good design should be inherent in all parts & not a ‘cost option’ & often this design work can be carried out FOC...

...you think it...
...we create it!

- Customer driven design
- Conceptual design
- Improvements & alterations
- PDMWorks
- SolidWorks
- PolyWorks
- CAM2 software
- FDM Rapid Prototyping on-site
- FARO CMM with Laser Scanning
ACI’s team has a combined experience of over 100 years in aircraft interiors using this proven experience in all aspects of the Part 21J design relating to cabin interiors & passenger seats, our DOA Certification team & Office of Airworthiness provide all the required justification to introduce, repair & maintain approved products on your aircraft.

**Certification // Regulation**

- Minor Change / Repair
- LOPA specific installation drawings
- Part 145 Repair Schemes
- Minor structural changes
- Standalone certification packages
- Introduction of Part 21 EPA items
- Manual revisions
- Engineering orders / Service Bulletins

EASA.21J.102 (Design)
UK.21G.2562 (Production)
UK.145.01242 (Repair)

EASA Form 1
Cabin Extrusions

Over 500 standard and bespoke cabin extrusion profiles available in raw lengths or as LOPA specific kits supplied ‘ready-to-fit’

- Seat track capping
- Galley bump strips
- Carpet joiners
- Cable raceways
- Transition strips
- 50 standard colours
- AOG / JIT supply
- LOPA specific kitting
- Rubstrips & P-seals
- Light lenses
- Bespoke sections

over 500 profiles... in 50+ standard colours
Injection Mouldings

In-house CAD Design or Reverse Engineering, Rapid Prototyping, Direct CAD to CNC tooling & bespoke colour matching, allows low volume injection moulded parts to be supplied as soon as 5-15 days from design freeze.

- Escutcheons
- Fairings
- Endcaps
- Transition strips
- Seat bumpers
- Blanking plates
- Window latches
- Ashtray blanks
- Light blanks
- Bespoke sections
PU Foam Moulding

Low, medium & high volume utilising new design or refurbished original frames, offering a flexible solution for all budgets and quantities. From single refurbished PU Foam products to whole fleets of new parts, all delivered on time & fully certified

...quick & cost effective

- New Parts
- Refurbished parts
- Ashtray deletion
- IFE / PCU changes
- Rapid tooling
- Armcaps
- IAT pads
- Covers
- Low cost
- Range of finishes
- Any colour
Vacuum Forming

We are specialists in the design, development & manufacture of thermoplastic moulded products.

We have a comprehensive assembly facility, with machined components, structural foams & advanced adhesive technology, resulting in robust, lightweight products focused on cost and performance.

Our full service includes: product design & development, vacuum formed thermoplastic moulding, tooling design & manufacture, routing, finishing & assembly.

- Seat back tables
- Fairings
- Shrouds
- Low volume alternatives to injection mouldings
- Trim and protective surrounds
- Panels
- Armrest assemblies
- Lav floor pans
CNC Machining // Sheet Metal // Fabrication // Finishing

Our range of metal formings & machined parts can be heat treated, finished in powder coated paints or a range of anodised finishes to form part of higher assemblies or create standalone products.

- Galley turnbuttons
- Seat backs
- In-arm tables
- Clips, frames & brackets
- Sub-assemblies
- Spreader bars
- Runners

High quality finishes and precision engineering...
B787 Cabin Trim Items

With parts in production and more in development ACI can supply cost effective cabin trim in bespoke colours for your B787-8 & -9 cabin interiors

...improved designs at lower cost

- Seat track capping
- Seat track connector covers
- Carpet to Galley joiners
- Cable raceways
- B787 new gen kickstrips
- B787 new gen bumpstrips
- Bespoke & non-OEM colours
- LOPA specific kitting
- Momment corner bumpers
- Bespoke sections
Cabin Sidewall Lenses

- B737 Classic & Next Gen
- B757-200 & -300
- B767-300
- B767-300
- A319, A320, A321
- A330-200 & -300
- A340-300 and more...

...supplied as raw length, piece parts or a/c kits
Class Divider // No Entry Ropes

ACI proprietary Rope Dividers give discrete separation between cabin zones providing privacy & passenger control during normal flight. Low profile fixings & self-aligning break joints ensure a safe and airworthy product. Available in a wide range of finishes and styles.

- Wide range of colours & finishes
- Easy deployment & stowage
- Premium cabin privacy
- Passenger movement control
- Self aligning break joints
- Quick release

...privacy for your premium customers...
Curtains

ACI are able to design & manufacture privacy curtains for all a/c., our designs use premium rails and curtain hardware for smooth jolt free operation. Bespoke brackets and custom fixings designed to your specific interior and configuration requirements ensure hassle free retrofit installation and in-service operation.

- Fixed and Floating rail designs
- Crew rest capsules
- Rapid-Fix lightweight Medical Curtains
- Easy Stow & Deploy
- Light tight & black out options
- Smooth Operation
- Bespoke Installations

...quickly zone your cabin....
We have the ability to overhaul and repair any aircraft interior component including aircraft seats cost effectively with a short turnaround.

This service can be provided to bring components up to a servicable condition in accordance with the CMM or approved repair scheme.

All supported with the necessary EASA approvals.

- Seat overhaul
- Armcaps
- Literature pockets
- Class dividers
- Galley items
- Interior components
- Seat back tables
- Leather
- Covers
- Re-anodising

...clean, overhaul, refurbish, refresh
Flammability // Material Testing

Using our in house flammability testing laboratory, physical material testing & FEA Stress Analysis, plus material identification, we are fully equipped to engineer and qualify all of our products.

In-House Flammability Testing to:

- CS 25.853a, App F Part I(a)(1)(i) - 60s Vertical
- CS 25.853a, App F Part I(a)(1)(ii) - 12s Vertical
- CS 25.853a, App F Part I(a)(1)(iv) - 64mm/min Horizontal
- CS 25.853a, App F Part I(a)(1)(v) - 102mm/min Horizontal
- CS 25.853a, App F Part I(a)(2)(ii) - 45 Deg Test

Approved Flammability Testing to:

- CS 25.853a, App F Part II, IV, & V
  (Seat Cushions, Heat Release & Smoke)
- ABD0031 Fire, Heat Release, Smoke & Toxicity

We can also offer CVE delegated witnessing to support your testing programme.
Consultancy // Training

Our team has a huge wealth of experience in cabin interiors and would always be pleased to provide assistance to any project. We are specialists in product design, development & manufacture & using these skills we have developed an unrivalled database of compliant materials & ‘how to’ knowledge that can be translated to advise & guide you through any scenario.

- Product Problem Solving
- Certification Strategy and Route Mapping
- Conceptual Design
- Material Advice
- Testing Guidance (Flammability & Physical)
- STC's
- ETSO's
- SB's / EO's / Changes to Type Design
- Business & Quality System Oversight
- Design Subcontract Capacity
- Training to Part 21 regulations

Our expert EASA Chief of the Office of Airworthiness & Quality Manager can deliver training & consultancy, anywhere in the world, to keep your team up-to-date with necessary Part 21 regulatory developments. The training can be tailored to suit engineers in different roles & various levels of seniority within a company.