

CAPABILITIES OVERVIEW

Our products:

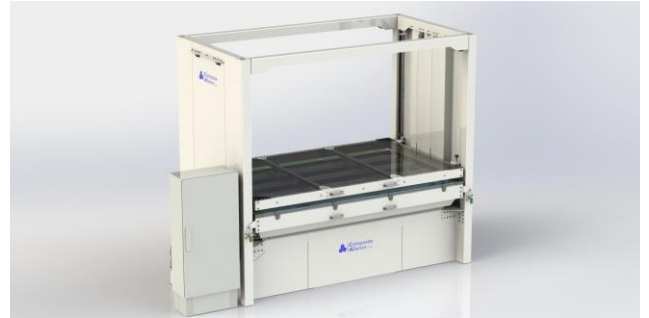
From single tooling & equipment to custom turn-key integrated solutions, for laboratory or serial production.

Services offered:

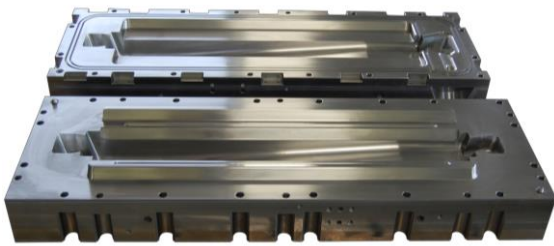
Best manufacturing methods comparison and selection, prototyping/test pieces, production flow analysis and process optimization, after-sales support and training courses.



3D preforms & Robotic preforming cells



Compaction/debulk & hot drape formers



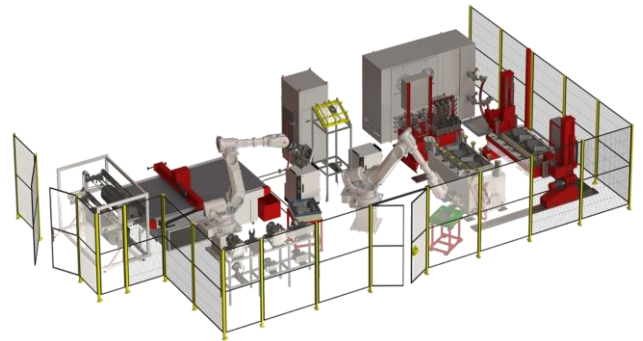
RTM, Prepreg, Thermoplastic tooling solutions
Self-heated tooling, Electroformed nickel tools



RTM, Prepreg, Thermoplastic press systems



Injection, dispensing & meter mix systems



Turn-key integrated work-cells & automation

GENERAL OVERVIEW

Processes:

We are experts in various manufacturing methods, and pioneers of new patented processes. Composite Alliance Corp (CAC) will help you define or optimize the best technology for your composites applications:

- Preforming
- RTM, C-RTM, VaRTM
- Prepreg, FPTM,...
- Infusion
- Thermoplastic press forming



Customer References:

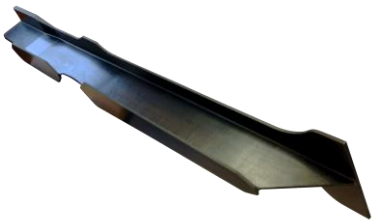
Airbus, Airbus Helicopters/Military/Safran Launchers, CAMTeC/Boeing/University of Sheffield, GE Aviation, Albany Engineered Composites, GKN Aerospace, UTC Aerospace, Ducommun, Embraer, Spirit Aerosystems, I.A.I, Dassault Aviation, Daher, Safran Nacelles/Aircraft Engines/Landing Systems, Zodiac Aerospace, Hexcel, Solvay-Cytec, Huntsman, University of Maine, UNAQ, Toyota F1, Lamborghini, Volvo, Valeo and more...

Applications:

Preforming and molding of thermoset & thermoplastic composite parts. Resin processing: liquid molding, adhesives, coatings, potting...

Parts/Components supported:

Fuselage, hood panels, seats, beams, engine panels, fan blade, fan case, ducts, platforms, spars, flaps, slats, rudder, rotor blades, propeller blades, and more...



Sectors of activity:

- Aerospace/Defense
- Automotive
- Wind Energy
- Medical



Photo credit: GKN Fokker Landing Gear, NLR and CleanSky 2

