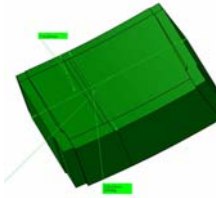
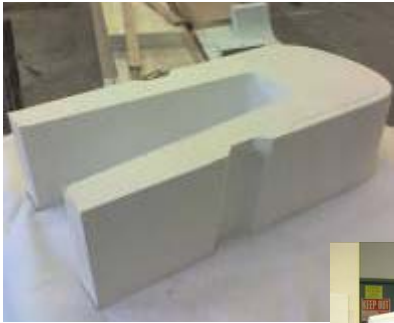




Mandrel Production by Aero Consultants (UK)

From CAD file to the finished part with our ready to use mandrels





Mandrel Production by Aero Consultants (UK)

Mandrels to fabricate hollow, seamless, one part composite structures

Our unique water soluble mandrel tooling material is suitable for serial or mass production of several thousand mandrels per month.

Unlike conventional mandrel materials, which must be tediously removed from composite lay-ups, our mandrels are readily soluble in tap water and easily washed away from the finish part without damaging the finish composite structure.

Our mandrels can be produced in almost any shape you can imagine.

Water-soluble mandrels save customers time and labor and allow them to utilize free production space for composite part fabrication rather than mandrel fabrication.

Benefits

- Washes away with tap water
- No special disposal procedure
- Nontoxic and odorless
- No damage to composite part
- Less expensive in serial production than plaster or eutectic salt mandrels
- Strong and lightweight
- Stable in autoclave conditions

Applications

- Air- / Cable ducts for Aerospace
- High pressure tanks
- Hat stiffener sections for aircrafts
- Flap support faring
- Manifold intakes
- Motorcycle wheels
- Automotive parts
- Honeycomb stabilization
- Any hollow structural component

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