

Resin Infused Fibreglass technology

Resin Infusion is a process by which vacuum draws a controlled amount of resin through a dry fibre laminate (fibreglass sheeting) into a mould.

This process is most commonly used in the manufacture of items requiring high tolerance and strength such as:

- Complex Aircraft components
- Automotive components such as racing seats / carbon fibre body parts
- High stress jet ski hulls
- Medical imaging equipment such as X ray and MRI

Advantages of Vacuum Infused Process:

- The quality of the process is not dependent on the skill of the operator. Once the process has been designed, part quality will be consistent.
- The laminate quality will be higher than parts made with the open mould process. There will not be any entrapped air; the laminate will be perfectly consolidated and the wall thickness will be consistent.
- Minimal part shrinkage and distortion.
- Infused laminates have much higher fibreglass to resin ratio compared with chopper gun laminated parts. The parts will have higher specific strength and specific stiffness.
- No air pollution or product contamination from volatile organic compounds

All Atomix Hulls are manufactured using the Resin Infusion Method