Introduction to Resin Infusion Techniques

Overview
This course is designed to give a theoretical and practical introduction into the manufacture of composite components using resin infusion processes. The course will cover many aspects of the infusion process including mould preparation, handling and cutting fabrics, vac bagging procedures and consumables used during manufacture. Good workshop practice and relevant health and safety issues will be embedded throughout the course.

Delivery Style
Classroom and Workshop based

Who should attend?
Operatives, technicians and engineers with a basic knowledge of composite materials, and processes that are new to the resin infusion process. We advise attending Introduction to Composite Materials, Properties and Processes before attending this course.

Objectives & Aims
The main objective of the course is to give delegates a good understanding of how resin infusion processes are carried out in a realistic work environment. Delegates will produce 3 components during the 2 days which will cover aspects of modern resin infusion procedures. Delegates will have the knowledge and practical skills to prepare materials and tooling, lay down fibres onto tools, complete a vacuum bag and choose a suitable resin infusion lay out. Delegates will have the technical knowledge to carry out trimming and finishing of components using pneumatic and hand tools.

Duration
2 Days

Course Content:
Day 1
- Review of composite materials and processes
- Vacuum bagging procedures used in resin infusion
- Mould preparation
- Handling and cutting dry fabrics
- Practical vacuum bagging
- Completing a linear resin infusion.

Day 2
- Application of surface gel-coats
- Handling and cutting dry fabrics
- Practical vacuum bagging
- Completing a radial resin infusion
- Trimming and sanding completed components
- Group practical assessment

For further information or to make a booking enquiry please contact training@nccuk.com

If you have a minimum of 6 delegates and the current planned schedule does not meet your business needs we may be able to set up another course date for you.