

RESIN INFUSION PROCESSING TRAINING

Resin Infusion is a process by which vacuum draws resin into a dry fibre laminate in a one sided mould. The benefits of resin infusion when compared to non-vacuum bag curing of composite laminates include:

- Better fibre to resin ratio
- Stronger laminate
- Low void content
- Reduces operator exposure to harmful emissions
- Reduced resin usage due to pre-compacted fabric
- Faster ply lay-up.

Resin Infusion Processing is a course suitable for professionals wishing to gain a theoretical understanding and practical experience in making high quality composite parts with the vacuum infusion process. This course will examine all the aspects of the process including the main theoretical principles, detailed description of the technology, products selection, demonstrations and hands-on exercises. Our training demonstrates how to effectively employ Airtech vacuum bagging materials in the resin infusion process.

The Airtech Europe training centre includes a conference room and a composite workshop equipped with a large range of materials and mould tools that allow step by step guidance from release agent application to part demoulding.

COURSE CONTENTS:

- **Classroom sessions covering:**
 - o Theory and definition of resin infusion process
 - o Mould tool requirements
 - o Vacuum bag materials, their function and selection
 - o Other equipment and materials: infusion mesh, vacuum manifolds, vacuum reservoirs, sealant tapes, leak detectors, resin feed lines...
 - o Process step by step
 - o Benefits and application
- **Practical sessions covering:**
 - o Resin infusion exercise supervised by Airtech Europe trainer
 - o Practical resin infusion achievement including:
 - Mould release
 - Dry fabrics placement
 - Materials selection and placement
 - Vacuum and resin feed line connection
 - Vacuum checking and leak finding
 - Resin preparation
 - Infusion processing
 - Part demoulding



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Catalogue position : [Miscellaneous](#)