

PREPREG / AUTOCLAVE PROCESSING TRAINING

Prepreg / autoclave is a process by which a preimpregnated fibre is cured under vacuum in a one sided mould in an autoclave.

The benefits of this process when compared to non-vacuum bag curing of composite laminates include:

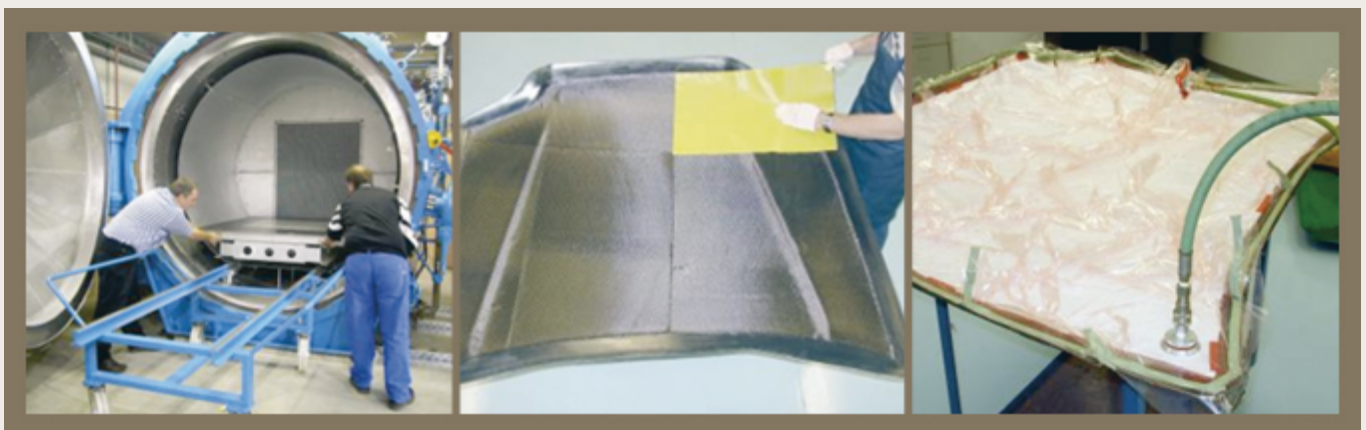
- *very high quality laminate*
- *Optimal fibre to resin ratio*
- *Low void content*
- *Reduces operator exposure to harmful emissions.*

Pre-preg / Autoclave Processing is a course suitable for professionals wishing to gain a theoretical understanding and practical experience in making high quality composite parts with pre-pregs. This course will examine all the aspects of the process including 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 prepreg / autoclave process.

The Airtech Europe training centre includes a conference room and a composite workshop equipped with a large range of materials and moulds. Furthermore, this training program gives participants the possibility to make use of an autoclave capable of achieving pressures up to 10 bar and temperatures to 380°C.

COURSE CONTENTS:

- Classroom sessions covering:
 - o Theory of pressure application using vacuum bagging and autoclave
 - o Mould tool requirements
 - o Vacuum bag materials, their function and selection (peel plies, release films, breathers, bagging films, sealant tapes)
 - o Other equipment and materials: hoses, thermocouples, gauges, leak detectors...
 - o Process step by step
 - o Benefits of pre-preg moulding
- Practical sessions covering:
 - o Pre-preg / Autoclave Processing exercise supervised by Airtech Europe trainer
 - o Practical process achievement including:
 - Mould release
 - Pre-preg lamination
 - Materials selection and placement
 - Vacuum connection
 - Vacuum checking and leak finding
 - Autoclave cure
 - Part demoulding



Last updated : 2014-03-28

Catalogue position : [Miscellaneous](#)