



Autoclave bonding technology

(10 PL 64BK 3K44)

Abstract

A Polish company, active in the automotive and aeronautic branch, specializes in manufacturing of composite parts for their clients from various European countries. In order to improve the quality of products, the company is looking for technology of autoclave bonding. The technology should be flexible, modular system, possible to extension in the future. The technology should allow to reduce the costs and time of processing and include the numerical control system as well.

Pressures to 2000 psi

Turnkey installation

The offered technology should be in compliance with the health and environment standards.

Valid until: 30/06/2011

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Description

The Polish medium sized company activity is manufacturing composite parts, mainly for aeronautic and automotive industries. In order to meet growing customers expectations related to specific applications, the company is looking for a reliable autoclave bonding technology.

The conditions of curing of many high-performance composite parts require high temperature and pressure resistance and the use of technology of autoclave it can provide.

An optimal solution would be a flexible modular system enable to maximise quality, reduce costs and time of processing. The possibilities of upgrading the equipment in the future is preferable, as well as numeric control systems. The technology should be ready for implementation.

Technical Specifications / Specific technical requirements of the request

Sought autoclave equipment / technology should enable curing a parts of various size and dimensions and processing a number of parts simultaneously. It should also include a computer system to monitor and control autoclave temperature, pressure, vacuum and inert atmosphere, in order to allow remote supervision of the curing process and efficient use of the technique.

Expected parameters:

Temperatures to 1500 °C