



AUTOCLAVE SYSTEMS COMPOSITE MATERIALS GLASS LAMINATING

- Aerospace Composite Bonding Systems
- Motor Sports and Automotive Systems
- Clean Room Epoxy Bonding Systems
- Sporting Goods/Consumer Goods
 - Textiles, Rubber & Plastics
 - Glass Lamination Systems
 - R&D Materials



BONDTECH COMPOSITE TECHNOLOGY



Our 315,000 sq. ft. State Of The Art Manufacturing Facility In Somerset K.Y.

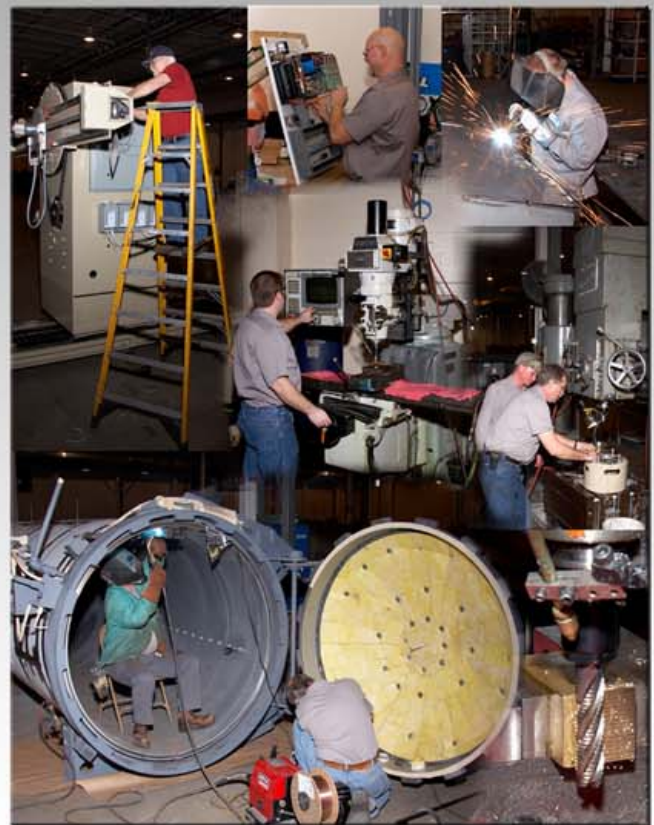


Our 100,000+ Sq. ft. Facility in Salisbury N.C.

Global Customer Support

1-800-414-4231

WWW.BONDTECH.NET



Our People make all the difference!



Bondtech Corporation is a leader in the design, engineering and manufacturing of composite and glass laminating autoclave systems. Bondtech Technology systems are currently installed and operating in several industries, including but not limited to aerospace, motor sports, glass/acrylic panels, glass lamination, clean room epoxy bonding, sporting/consumer goods, textiles, rubber, plastics and R&D applications.

The Management and employees of Bondtech have made a total commitment to providing the best possible service available. We offer complete one stop turn key installation to maintain system integrity and accountability. Our ability to provide quality equipment at competitive prices has made Bondtech a leader in the autoclave market and earned Bondtech the respect of the industry.

Bondtech has developed a new and comprehensive autoclave control software equal to none. Our customers can use this software with a PLC or a Windows PC system with advanced touch screen technology.

Our service Department is readily available to meet your service and maintenance needs. We specialize in the service and maintenance of a wide range of autoclaves including those fabricated by other manufacturers. Our Parts Department stocks a great variety of parts to accommodate our customers' needs.



Bondtech Autoclaves

"Reliable, Proven Technology"



Professional Qualification

Bondtech Corporation has been involved with the custom design, engineering, installation, manufacturing and maintenance of autoclave systems since 1983. Our Engineering staff, as well as our R&D staff are constantly looking for ways to improve the process technology. Bondtech has developed our new Envision software program, which is designed to suit each individual needs either using a PLC data entry or a customized windows based PC system with advanced touch screen technology.

◆ SERVICES OFFERED

- ◆ Complete turn key installation and maintenance service.
- ◆ Evaluation of equipment requirements to satisfy market conditions.
- ◆ Identification and specification of equipment for plant or business applications.
- ◆ Design, fabrication and supply of autoclaves and related auxiliary equipment.
- ◆ Development and performance of maintenance management and quality control
- ◆ Creation of training programs to improve performance and/or acquaint company personnel to operate equipment properly and efficiently



1278 Highway 461
Somerset KY 42501
Direct Line: 606-677-2616
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◆ TECHNICAL BACKGROUND

Reliable Proven Technology:

- Established autoclave manufacturer since 1983.
- Systems operating throughout the U.S. and abroad
 - Environmentally sound
 - Simple and Safe System Operation.
 - Minimal moving parts.
- Single Pushbutton - Automated System.



Bondtech's autoclaves will include a PLC (Programmable logic controller) with a modem hookup capability upon request. Our technicians are capable of troubleshooting the autoclave system over the Internet. Bondtech's autoclaves are fully tested at our shop prior to shipment.





Because Bondtech Designs and Manufactures Autoclave Systems, the Quality level of our Systems are well controlled and each system is firmly integrated to function as designed.

Bondtech Supplied systems are fully tested prior to shipment. No Surprises after delivery.

Customer training is offered at the factory, prior to shipment, or after delivery and installation.

Bondtech supplies service and support after the sale. We also stock spare parts and offer planned maintenance and inspection programs.



High Quality Vacuum Systems



Rugged Design Utilizing State Of The Art Engineering

Our Autoclaves offer a variety of special features that are designed to keep your operation running profitably.

Rugged construction designed for industrial use.

Hydraulically Operated Quick opening door.

Vacuum System designed for High Vacuum Operation.

Computer Based Control System.

Data acquisition and Logging.

Packaged and Built for easy installation and start-up.

Built and Stamped to ASME Boiler and Pressure Vessel Code Section VII, Div 1



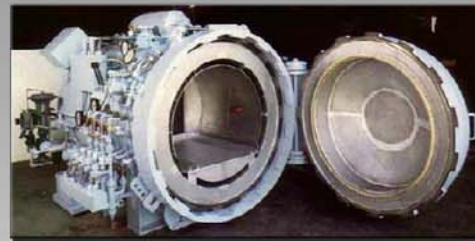
Hydraulically Actuated
Doors



Bondtech's Proprietary HODGE door design



Bondtech's successful growth led to the acquisition of Hodge International, the pioneer developer of the autoclave quick opening access doors. Today, Bondtech is a world leader in the mechanical engineering design and development of autoclave systems that exceeds the minimum ASME Pressure Vessel Code requirements.



Over 100 years of engineering and experience are built into each HODGE quick opening door. Doors lock and unlock by the rotation of a locking ring only. Sealing flanges and O-ring gasket construction provides a leak-proof static seal. This Static seal provides instantaneous sealing - *Guaranteed!*

Each rotating ring and head wedge assembly is custom matched in pairs for accuracy assuring equal gasket compression. Safety devices are installed to prevent door opening until pressure has been relieved and to prevent pressurization of the Autoclave until proper door locking has been activated and achieved.



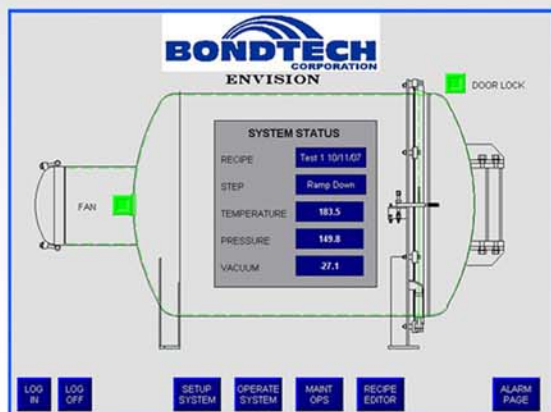
Control Interfaces

Bondtech provides customized solutions for satisfying a wide range of data processing requirements. Our engineering controls software interface ranges from the basic PLC data entry to customized windows based PC systems with advanced touch screen technology.

Envision PLC Based Control System

PLC and Windows based Autoclave Control System

- Easy to use and understand Graphical User Interface
- Point and Click programming
- Flexible selection of controlling inputs for temperature
- Simple visual feedback shows the systems response to the profile
- Retains a data log of each processing run for external analysis and process verification
- Boeing Specification Compliance (latest issue)
- Ensures Highly repeatable results
- Individual T/C record and control capability (Lead, Lag/Average)
- Vacuum - individual line control and monitoring capability
- Excellent Temperature uniformity
- Fully automatic process cycles w/menues



Screen
Shots
of
Envision
Autoclave
Control
Software



BONDTECH

COMPOSITE TECHNOLOGY



Windows Based PC

Bondtech's computer system is customized for each application. Bondtech's controls are capable of controlling your autoclave and processes from a single terminal. Bondtech's windows based PC program controls temperature, pressure and vacuum. Individual vacuum lines are monitored and automatically isolated when an alarm threshold is reached.

Programs are simply drawn and almost no typing is necessary to create a program. On/off events are set by simply moving the mouse pointer above and below the zero line on the graph screen. Throughout the program you can turn on and off the guarantee soak insuring a correct cure. In order to insure proper temperature conditions, the system clock is paused.



BONDTECH PC WINDOWS BASED CONTROL SYSTEM

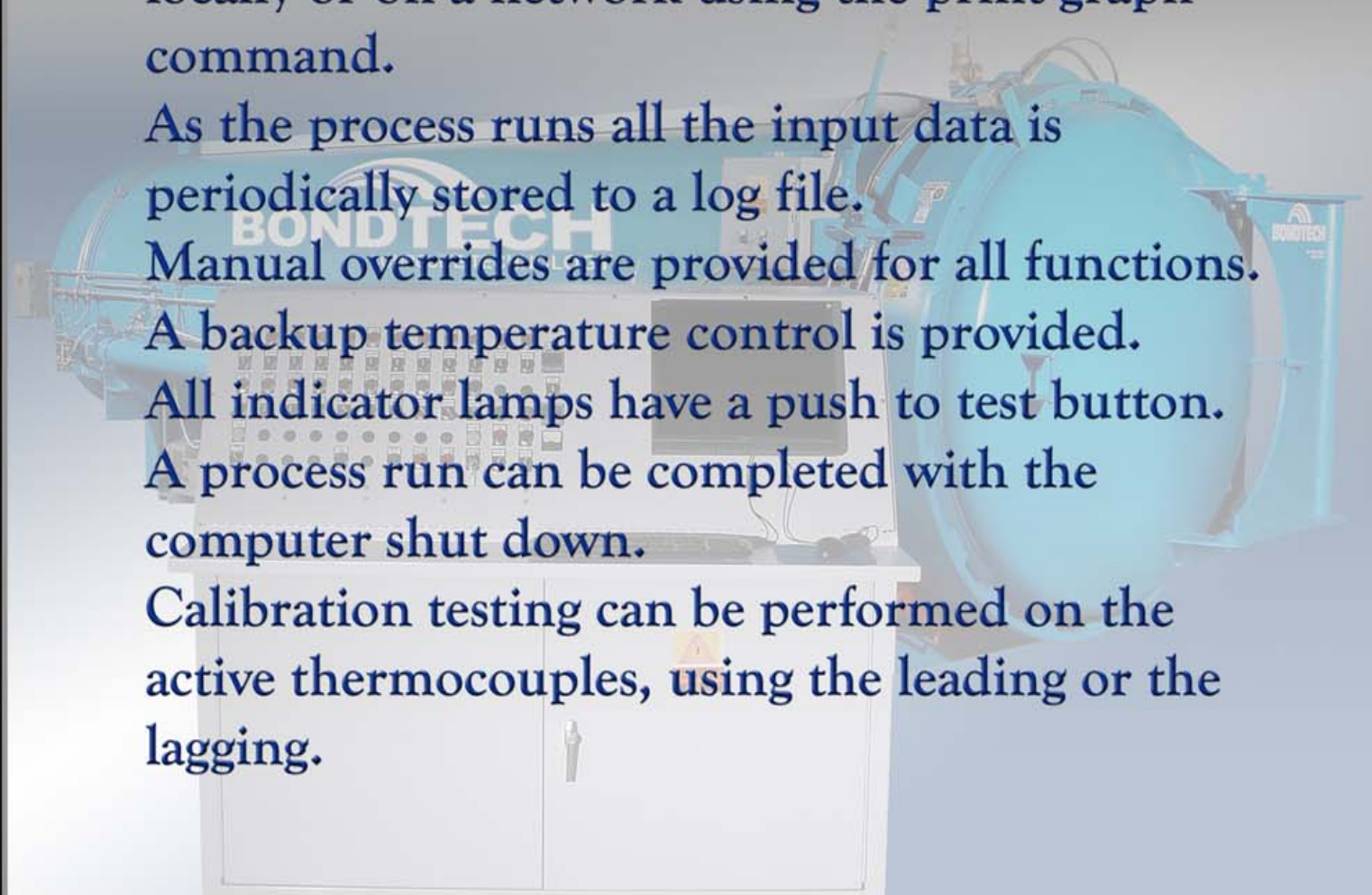
Operator Friendly :

Easy to create programs by drawing a graph.
The screen can be sent to a printer either locally or on a network using the print graph command.

As the process runs all the input data is periodically stored to a log file.
Manual overrides are provided for all functions.

A backup temperature control is provided.
All indicator lamps have a push to test button.
A process run can be completed with the computer shut down.

Calibration testing can be performed on the active thermocouples, using the leading or the lagging.





Bondtech doesn't just sell Autoclaves, we custom manufacture to specification, rebuild existing autoclaves, and service all brands of autoclaves, even our competitors!

Used Inventory



Call us with your requirements or to have us assess your needs. We will engineer a system for you!

1-800-414-4231



**Upgrades &
Modernization**



**Autoclave Repair
& Rebuild**



1-800-414-4231



The BONDTECH Advantage

Bondtech has been in business for more than 25 years, manufacturing, refurbishing, servicing, maintaining autoclave systems manufactured by Bondtech, ASC, TEC, Baron, Melco, VPI, Anchor, United McGill, Sholtz, Lipton, WSF and many others.

Largest manufacturing facilities in the world, with 117,000 Sq Ft in Charlotte N.C., 100,000 Sq Ft in Salisbury N.C., and now 300,000 Sq Ft in Somerset, KY.

Experienced Engineering Staff offering extensive knowledge as well as timely customer support.

Our Envision Control System has been designed so that our customers can custom design their process to suit their needs and further meet industry standards.

The reliability and dependability which is a must in any industry is a must in all of the Bondtech Autoclaves.

Bondtech works with each individual customer to meet technical specifications and budget requirements.



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Design • Engineering • Fabrication • Contracting