



Composite materials Autoclave

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We offer two standard sizes of our Bonder autoclave systems. These two standard sizes can also be customized to meet your specific needs. Each Bonder autoclave system is supplied completely assembled, piped, and wired and have the same rugged features and sophisticated processing controls as our large-scale autoclaves, for excellent reliability and years of trouble-free operation.

The workspace dimensions of the Bonder I are 15 x 21 x 36 inches and the Bonder II are 28 x 36 x 60 inches. Low and high pressure versions are available with maximum operating pressures of 150 psig and 285 psig respectively. Maximum operating temperatures of 450°F, 650°F, and 800°F can be specified for either size. Higher pressure and temperature capacities are available on a custom order basis.

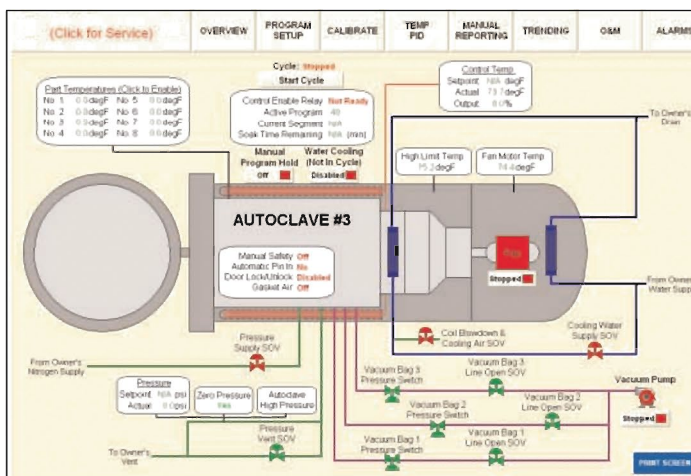
All Bonders use a Programmable Logic Controller (PLC) with a PC operator interface. The logical control screens are easy to understand, require limited operator training, and provide complete control over all autoclave functions.

Bonder autoclave systems are available for composite materials bonding, glass laminating, printed circuit board laminating, sterilizing, and rubber curing and vulcanizing. They are used for graphite-to-epoxy bonding, honeycomb structural bonding, and glass-to-metal bonding.

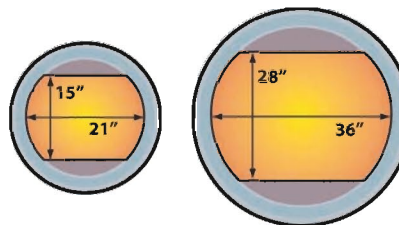
Besides benefiting from the lower initial cost and reduced operating and maintenance costs of our Bonder systems, you can test materials and processes or do limited production work at a fraction of the cost of a large autoclave. You can determine cycle times, temperatures, and pressures, and evaluate raw materials to ensure quality before full-scale production begins, which together produce added savings.



A Bonder II customized with a quick-opening, breech-lock door.



Easy to understand logical control screens give the operator complete control over all autoclave functions.



Bonder I

Bonder II

The Bonder internals are arranged to provide the largest workspace possible.

