



AEROFORM
COMPOSITES

Aeronautics Curing Solutions



REPAIR SOLUTIONS



ECOBONDER EC16

Our ECOBONDER EC16 V2 is a single zone bonder, economical and ideal to control heat source (heat blanket, IR ...) and data logging.

Very easy to use thanks to its 3.2" touch screen in color. This ECOBONDER is perfect for the composite industry.



HOT BONDER AHB SZ16 (Single Zone)

Our hot bonder SZ16 is part of our «AHB» family of equipment dedicated to composite repair. It is specially designed to meet the requirements of the Aerospace industry and qualified in the OEM's SRM. Compact, light and very easy to use thanks to its touch screen, the SZ16 also controls heating mats, infrared lamps ...

Designed up to 6 thermocouples type J or K. Venturi, printer and USB port included.



HOT BONDER AHB380D (Dual Zones)

Our new generation of bonder AHB380D has advanced features: Easy Mode, 3 types of report, alarm by SMS (option), changing parameters during the cure.

Our bonder offers a multiple language support : French, English, German, Dutch, Chinese, Russian (additional languages available upon request).

These systems are designed to meet the current repair specifications in the aeronautical field, qualified by the major aircraft manufacturers and listed in their SRM, CMM ...

Applications : Curing composites under vacuum, repair of new parts, repair of complex composite structures ...

AVAILABLE ALSO IN: 1 ZONE and 10 TCs - 4 ZONES and 20 TCs - 5 ZONES and 20 TCs - 6 ZONES in 20 TCs

Aeroform also offers boosters (230V or 400V tri) to amplify each zone of the bonder and thus allowing to control large areas and «wireless modules» controlled wirelessly by a laptop.



INFRARED LAMP IRPE3.3

Our lamps are equipped with 3 infrared emitters with a total power of 3300 W, a locking arm system to precisely position the lamps. Very easy to use with the touch screen, which allows to set cure cycles with two dwells. The matrix printer offers a print out to get reporting and traceability.

AVAILABLE IN VERSION V2 OR V3 depending on the number of Thermocouples and the requested functions.



HEATING BLANKETS Flexible / Stretchable / Radome

We offer a wide range of flexible, stretchable, radome or on demand heater mats to polymerize composite structures.

Our silicone mats fit all types of surfaces and are delivered with connectors to use on our hot bonders.



TOOL KIT & ACCESSORIES

In partnership with aircraft manufacturers, Aeroform has developed a range of tool kits for preparing and repairing composite parts.

We also offer a wide range of accessories: vacuum hose, vacuum plug, double zone leak detector, thermocouples, vacuum pumps ...



PROCESS SOLUTIONS



AUTOCLAVES

Aeroform design and manufacture dry air autoclaves (air or nitrogen) of any size up to 450°C and up to 40 bar. Aeroform has developed a new range of standard autoclaves matching with the standards of the aerospace industry, under the reference «LAB»:

LAB 115 (Øint 1mx 1.5m long), 10 bar 220°C.

LAB 120 (Øint 1mx 2m long), 10 bar 220°C.

LAB 1530 (Øint 1.5mx 3m long), 10 bar 220°C.

LAB 1540 (Øint 1.5mx 4m long), 10 bar 220°C.

LAB 2040 (Øint 2mx 4m long), 10 bar 220°C.



OVENS

Using the same state of the art control systems that are found on our autoclaves, our gas and electric ovens deliver unparalleled performance with temperature ranges up to 600 degrees C. NADCAP Compliant.



VACUUM PRESSES

Aeroform supply a range of equipment for pre-forming carbon fibre and dry forms.

Our vacuum presses are using vacuum up to -980 mbar through a silicone membrane and a infrared heating box.

SERVICES

CONTROL SYSTEM :

Aeroform Composites designs, manufactures and maintains complete control systems for process equipment. AFACS is acknowledged as a key player in overall control, data acquisition and archiving composite curing processes.

All our application software (AFACS e, AFACS I , AFACS II) are NADCAP compliant. AFACS II is the transition to Autoclave Manager software.

ACCESSORIES :

We supply a range of vacuum hoses, vacuum plugs, thermocouples, QRC ...

MAINTENANCE:

We offer different types of maintenance (annual, bi-annual, ...) on your autoclaves, ovens, presses ...

HYDRAULIC TEST :

Aeroform has a team of skilled technicians to perform a hydraulic test for pressure vessel.

CALIBRATION/THERMAL SURVEY :

Our qualified engineers carry out calibration and thermal survey to check your equipment according to national standards.

TRAINING :

Aeroform offers composite repair courses (basic and advanced) with or without EASA part 145 certificate.





REPAIR SOLUTIONS

- Hot Bonders
- Infrared Lamps
- Heat Blankets
- Hot Gun
- Material and spare parts
- Training

PROCESS SOLUTIONS

- Standard Autoclaves
- Bespoke Autoclaves
- Ovens
- Hot Draper former
- Second hand equipment
- Spare parts

SERVICES

- Control System
- Training
- Maintenance
- Water test
- Spares parts
- Calibration
- Thermal Survey



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