



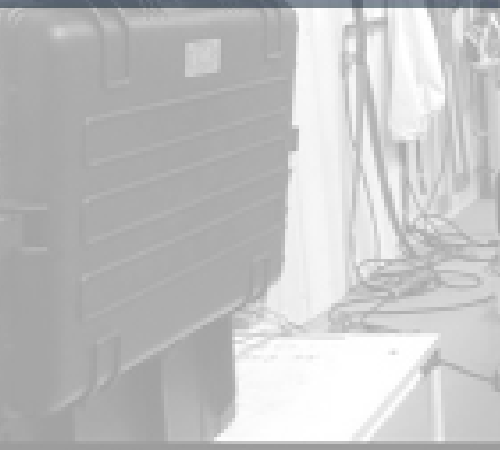
AEROFORM COMPOSITES

Aeronautics Curing Solutions





**INNOVATION - PROCESS
REPAIR - SUPERVISION - TRAINING**



ABOUT US

HISTORY

Founded in 2001 and located in France near Lyon, AEROFORM Composites is an expert in processing and repairing composite structural parts for international aeronautical companies.

DISTRIBUTORS & CUSTOMERS

AEROFORM Composites works with the largest airlines, MRO centers and aircraft manufacturers such as Airbus, Boeing, Dassault, Safran, etc. The company owns a large distribution network in 46 countries.

DIVERSIFIED BUSINESS INDUSTRIES

Solutions developed by AEROFORM Composites perfectly meet the requirements of other business industries such as wind power, nautical, motorsport.

A UNIQUE KNOW-HOW

Aeroform is the only supplier capable of manufacturing equipment for the process and repair of composite structural parts. Recognized by our ability to adapt to the needs of each client, we are committed to providing services and products for composite workshops.

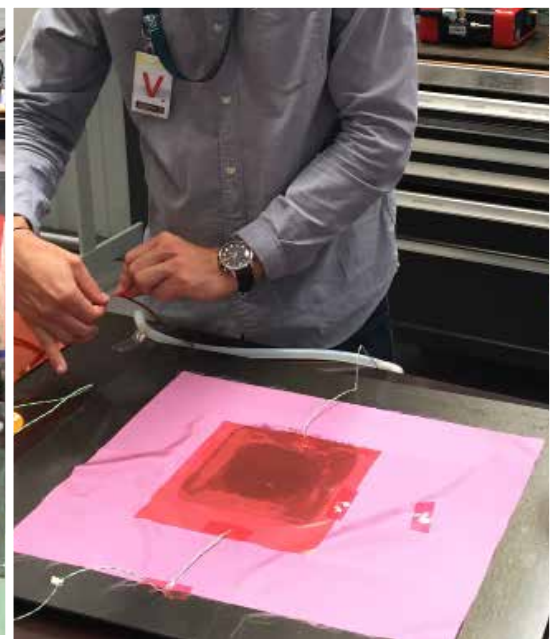
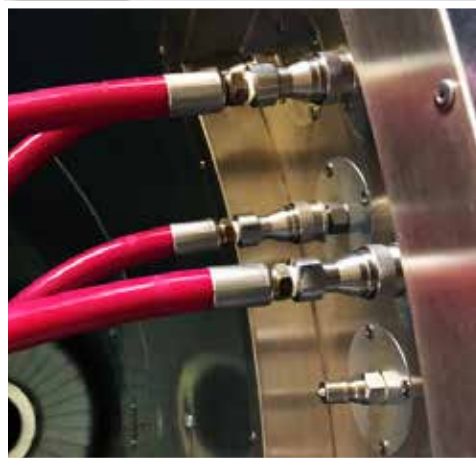
QUALITY, COMMITMENT

Thanks to its expertise since 2001, Aeroform is a successful and innovative company.

Quality is a major concern in the design and development of its products.

ISO 9001 standard is the prove of this commitment.





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PROCESS EQUIPMENT

Aeroform Composites developed a wide range of equipment for composite process: autoclaves, ovens.

These equipment are used in many fields such as aeronautics, automotive, nautical or even wind power. They are to produce a wide variety of materials adapted to diverse applications.

AEROFORM PROCESS EQUIPMENT

AEROFORM Composites offers autoclaves, ovens, suitable for a very large number of applications such as polymerization, drying, preheating, steaming, heat treatment.

For more than 20 years, the success of our process equipment is based on our know-how, allowing us to guarantee optimal production quality (ISO 9001).

Dimensions of our autoclaves depend on your specifications.



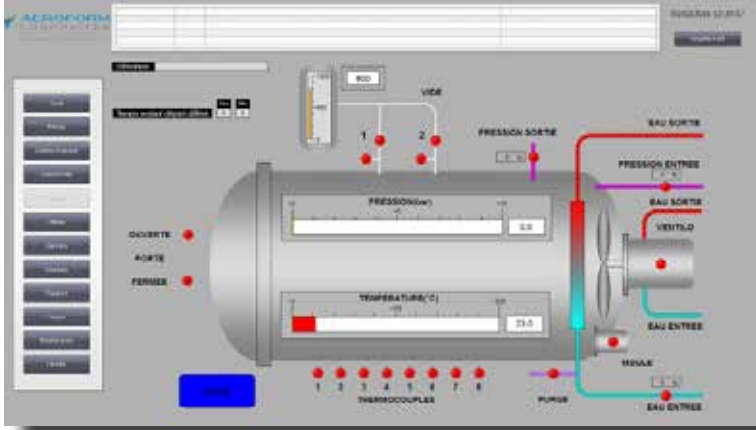
We design assemblies reaching 20 Bar, 450°C, up to 3.5 meters in useful diameter.

Aeroform offers improvements on your existing equipment, guaranteeing better performance of your control, vacuum and cooling systems.



CONTROL SYSTEM

Aeroform has developed a scalable control system (AFACS: Aeroform France Autoclave Control System) suitable for autoclaves. This system is designed for the polymerization of composite aircraft parts and complies with NADCAP standards.

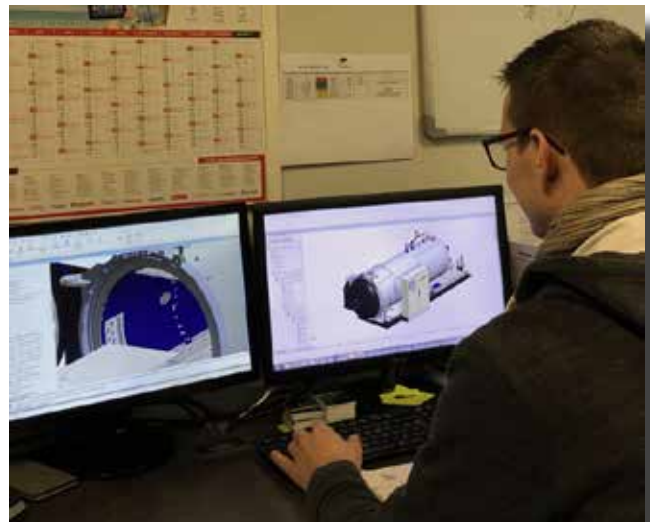


We offer you to «retrofit» your old power control cabinets by integrating our high-performant control system: AFACSe, AFACS I or AFACS II.

A TEAM AT YOUR DISPOSAL

For more than twenty years, Aeroform has been designing, processing and supporting your autoclave projects thanks to its technical service composed of a :

- ✓ **Design office**
- ✓ **Process workshop**



With a team of qualified technicians, Aeroform Composites offers you all types of services on your autoclaves such as:

- ✓ **Maintenance**
- ✓ **Servicing**
- ✓ **Calibration**

STANDARD AUTOCLAVES

Fully tested in our workshops,
a pre-acceptance report is given to you
before delivery.

This competitive autoclave is made of quality components, allowing us to propose the best quality/price ratio.

Our standard range is designed for laboratories, research centres, universities and for the production of composite parts.

100% French Production, assembled in our workshops, according to the European standard DESP 97/23/CE. Our autoclave range integrates all the equipment needed for its operation. (Electrical cabinet, water tank, pumps...).



EXAMPLE LAB 115


- ✓ Inner diameter: 1000 mm
- ✓ Inner length: 1500 mm
- ✓ Max pressure: 10 bar
- ✓ Max temperature: 220°C
- ✓ Thermocouples : 4 to 6
- ✓ Vacuum zone: 2 to 4
- ✓ 20°C to 220°C: 3°C/min
- ✓ 220°C to 60°C: 3°C/min
- ✓ Supply power: 125 Amp. 410V


INCLUDED IN LAB 115


- ✓ Control system
- ✓ Vacuum Pump
- ✓ Water tank
- ✓ 2 water pumps
- ✓ Chiller
- ✓ Internal trolley
- ✓ External trolley
- ✓ Silencer



STANDARD AUTOCLAVE MODELS

MODEL	INN. DIAMETER	WORKING LENGTH	PRESSURE	MAX
 LAB 115	1 m	1.5 m	10 bar	220°C

MODEL	INN. DIAMETER	WORKING LENGTH	PRESSURE	MAX
 LAB 120	1 m	2 m	10 bar	220°C

MODEL	INN. DIAMETER	WORKING LENGTH	PRESSURE	MAX
 LAB 1530	1.5 m	3 m	10 bar	220°C

MODEL	INN. DIAMETER	WORKING LENGTH	PRESSURE	MAX
 LAB 1540	1.5 m	4 m	10 bar	220°C

MODEL	INN. DIAMETER	WORKING LENGTH	PRESSURE	MAX
 LAB 2040	2 m	4 m	10 bar	220°C

COMPOSITES OVENS

Aeroform Composites uses its know-how to produce ovens, offering unparalleled control accuracy.

We offer standard or «bespoke» ovens according to your criteria in order to better meet all your expectations.



SPECIFICATIONS

- ✓ Temperatures from 40°C to 400°C
- ✓ Capacity from 1 m³ to 100 m³
- ✓ Electrical
- ✓ Temperature uniformity at +/- 5°C
- ✓ Reduced maintenance
- ✓ Easy to use: AFOCS interface
- ✓ Compliant with NADCAP, AMS 2750 standards

APPLICATIONS


- ✓ Polymerisations
- ✓ Preheating
- ✓ Drying
- ✓ Curing
- ✓ Heat treatment



OPTIONS

- ✓ Aeroform Control System (AFACSe)
- ✓ Guillotine door aperture
- ✓ Hublot on door
- ✓ Air extraction system
- ✓ Vacuum system
- ✓ Internal lighting

STANDARD RANGE

MODEL	VOLUME	SIZE	VACUUM*	
AFO 1000	1 m ³	1.0 x 1.0 x 1.0 m	950 mbar	250°C
AFO 8000	8 m ³	2.0 x 2.0 x 2.0 m	950 mbar	250°C
AFO 24000	24 m ³	3.0 x 2.0 x 4.0 m	950 mbar	250°C

Other dimensions and technical specifications on request
 *Relative vacuum



REPAIR EQUIPMENT

AEROFORM Composites designs and processes innovative repair solutions for qualified composite materials, referenced in the SRMs of aircraft manufacturers.

Our single, dual, four or multi-zone polymerization bonders will allow you to carry out safe repairs. Both simple and complex repairs can be carried out thanks to our range of bonders.

AEROFORM HOT BONDERS (AHB)

The only full range for composite repairs

The success of our repair equipment is based on our close collaboration with aircraft manufacturers and airlines.

Aeroform Hot Bonders are equipped with a simple and ergonomic interface.

Type J or K, our bonders are designed according to your needs.

In order to provide you with a ready-to-use solution, we offer three accessory cases (light, normal or premium).

The protection case of our Hot bonders is lightweight and solid, guaranteeing you repairs in a workshop as well as on a building site.

Options such as remote access/remote screen, SMS alarm and additional features are available on our equipment for more comfortable and secure use.



AEROFORM HOT BONDERS (AHB)

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MULTIZONE
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NUMBER OF ZONE	1	1	1	1	2	4	1 to 9
WEIGHT	4.6 kg	3.5 kg	4.8 kg	11 kg	12 kg	12 kg	12 kg
SIZE	310 x 270 x 200mm	290 x 274 x 140mm	310 x 270 x 200mm	525 x 440 x 210 mm	525 x 440 x 210 mm	525 x 440 x 210 mm	525 x 440 x 210 mm
SCREEN	3.2" color touch screen	3.2" color touch screen	3.2" color touch screen	8.4" color touch screen	8.4" color touch screen	8.4" color touch screen	19" colour touch screen
AMPERAGE	16/32 Amp	16 Amp	16/3 Amp	16/3 Amp	32/64 Amp	8 Amp	/
VACUUM MESURE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TC / ZONE	2	4	3 to 6	10	10/zone	5/zone	5 to 10
USB	No	Yes	Yes	Yes	Yes	Yes	Yes
PRINTER	Yes	No	Yes	Yes	Yes	Yes	Yes
MULTI LANGUAGE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HEATING DEVISE	Mat, IR Lamps, Hotguns	Mat, IR Lamps, Hotguns	Mat, IR Lamps, Hotguns	Mat, IR Lamps, Hotguns	Mat, IR Lamps, Hotguns	Mat, IR Lamps, Hotguns	Mat, IR Lamps, Hotguns
VOLTAGE	88 – 260 V	88 – 260 V	88 – 260 V	88 – 260 V	88 – 260 V	88 – 260 V	88 – 260 V

Our hot bonders can be used in accordance with the various electrical standards in effect throughout the world.

SINGLE ZONE

ECO BONDER

Eco Bonder is an economical single zone repair system for the composite parts. It is dedicated mainly for the marine and wind industries or for no structural repairs.



IDEAL FOR

- ✓ Repairs with 2 TCs

ADVANTAGES

- ✓ Light & Compact
- ✓ Easy to use
- ✓ Quiet Venturi
- ✓ Safety: circuit breaker 16 Amp & GFCI 30 mA
- ✓ Traceability: Curing ticket

MAIN FEATURES

- ✓ Weight: 4.6 kg
- ✓ 3.2" color touch screen
- ✓ Storage: 9 programs
- ✓ Matrix printer

INCLUDED ACCESSORIES

- ✓ 2 thermocouples type J or K, 3m
- ✓ 1 reinforced compressed air hose, 3m
- ✓ 1 power cable
- ✓ 1 heating mat 300 x 300 mm
- ✓ 2 vacuum hoses

EC16V2

REFERENCES

EC16V2J
EC16V2K
A11PE XX

DESIGNATION

Single zone type J 16 Amp
Single zone type K 16 Amp
Electrical outlet to be determined according to the country (p.25)

OPTIONS

REFERENCES

A11OPEC16USB
A10OPTCALAHBSZ
A5QVP
A8ACESZ

DESIGNATION

USB Port
Calibration software
Vacuum plug
Accessory storage case

SINGLE ZONE

AHB BOX

Compact design, robust and light, this curing unit AHB BOX can control different types of heating systems such as heater mats, infrared lamps or hot-guns. This hot bonder of 16 Amp has up to 4 thermocouples.



IDEAL FOR

- ✓ Spot repairs with a portable infrared lamp
- ✓ Up to 4 standard TCs

ADVANTAGES

- ✓ Easy to use
- ✓ Highly portable and light
- ✓ Robust: shock protection, plexiglass screen cover
- ✓ Safety: vacuum level control, buzzer and visual alarm

MAIN FEATURES

- ✓ Weight: 3.5 kg
- ✓ 3.2" color touch screen
- ✓ Storage: 9 programs
- ✓ 4 thermocouple baseplates
- ✓ USB Port

ACCESSORIES

- ✓ Thermocouple type K or J, 3m
- ✓ 1 power cable of 16 Amp
- ✓ 1 USB key of 8 GO

AHB BOX

REFERENCES

AHB BOX
A11TC XX
A11PE XX

DESIGNATION

Single zone type J 16 Amp
Thermocouple baseplate (3 to 6) type K or J
Electrical outlet to be determined according to the country (p.25)

OPTIONS

REFERENCES

A10OPTCALAHBSZ
A6ACHBBOX

DESIGNATION

Calibration software
Accessory case

SINGLE ZONE

AHB SZ

This Hot Bonder AHB SZ can control any heating device from 3 to 6 thermocouples with 16 or 32Amp.



IDEAL FOR

- ✓ Repairs from 3 to 6 TCs

ADVANTAGES

- ✓ Easy to use
- ✓ Highly portable
- ✓ Quiet Venturi
- ✓ Safety: circuit breaker
- ✓ 16 Amp & GFCI 30 mAmp
- ✓ Traceability: Curing ticket
- ✓ USB saving

MAIN FEATURES

- ✓ Weight: 4.8 kg
- ✓ 3.2" color touch screen
- ✓ Storage: 9 programs
- ✓ 3 to 6 thermocouple baseplates
- ✓ USB port & Matrix printer

CASE AHB SZ16

REFERENCES

AHBSZ16V2
AHBSZ32V2
A11TC XX
A11PE XX

DESIGNATION

Single zone 16 Amp
Single zone 32 Amp
(3 to 6) thermocouple baseplates, type K or J
Electrical outlet to be determined according to the country (p.25)

OPTIONS

REFERENCES

A10OPTCALAHBSZ
A6ACHB16SZ2
A6ACHB16SZ3

DESIGNATION

Calibration software
Normal accessory case p.23
Premium accessory case p.23

SINGLE ZONE

AHB380S

Our AHB380S is ideal for complex repairs involving different materials and work areas.

It can repair very large zones and can be used with up to 10 TCs.



IDEAL FOR

- ✓ Universal Repairs
- ✓ 10 TCs for 1 zone

ADVANTAGES

- ✓ Easy Mode
- ✓ Data acquisition
- ✓ Unlimited programs
- ✓ Quiet Venturi
- ✓ 3 types of report
- ✓ Double circuit breaker

MAIN FEATURES

- ✓ Weight: 11 kg
- ✓ 8.4" TFT touch screen
- ✓ 10 thermocouple baseplates
- ✓ 2 USB ports

AHB 380S

REFERENCES

AHB380SV3J
AHB380SV3K
A7TC XX
A11PE XX

DESIGNATION

Single zone 16 Amp type J
Single zone 32 Amp type K
10 thermocouple baseplates, type K or J
Electrical outlet to be determined according to the country (p.25)

OPTIONS

REFERENCES

A10OPTCALAHB380
A11OP380DSCREEN
A11OP380DSMS
A11OP380HYG
A11OP380DEXT
A6ACHB16SZ6
A6ACHB16SZ7

DESIGNATION

Calibration software
Remote screen
SMS alarm option
Hydrometer
TC extension box
Normal accessory case p.23
Premium accessory case p.23

DUAL ZONE

AHB380D

This dual zone unit is able to operate as two independent single zone units. It is ideal for complex repairs with different materials and sections.

It allows to repair important zones and can use up to 10 TCs per zone.



IDEAL FOR

- ✓ Universal Repairs
- ✓ 20 TCs

ADVANTAGES

- ✓ Easy Mode
- ✓ Data acquisition
- ✓ Unlimited programs
- ✓ 2 Quiet Venturis
- ✓ 3 types of report
- ✓ Dual Circuit breaker

MAIN FEATURES

- ✓ Weight: 12 kg
- ✓ 8.4" TFT touch screen
- ✓ 20 thermocouple baseplates
- ✓ 2 USB ports

AHB 380D

REFERENCES

AHB380DV3J
 AHB380DV3K
 AHB380D64J
 AHB380D64K
 A7TC XX
 A11PE XX

DESIGNATION

Dual zone type J 32 Amp
 Dual zone type K 32 Amp
 Dual zone type J 2 x 32 Amp
 Dual zone type K 2 x 32 Amp
 10 standard TCs, type K or J
 Electrical outlet to be determined according to the country (p.25)

OPTIONS

REFERENCES

A10OPTCALAHB380
 A11OP380DSCREEN
 A11OP380DSMS
 A11OP380HYG
 A11OP380DEXT
 A6ACHB32DZ1
 A6ACHB32DZ2
 A6ACHB32DZ3

DESIGNATION

Calibration software
 Remote screen
 SMS alarm option
 Hydrometer
 TC extension box
 Light accessory case p.24
 Normal accessory case p.24
 Premium accessory case p.24

4 ZONES

AHB380Q

This Hot bonder unit is able to operate as four independent single zone units. It is ideal for complex repairs with different materials and sections.

Each zone can operate independently of each other.



IDEAL FOR

- ✓ 4 repair zones
- ✓ 5 TCs per zone

AVANTAGES

- ✓ Easy Mode
- ✓ Data acquisition
- ✓ Unlimited programs
- ✓ 2 Quiet Venturis
- ✓ 4 types of report
- ✓ Dual Circuit breaker

MAIN FEATURES

- ✓ Weight: 12 kg
- ✓ 4 heating connectors
- ✓ 8.4" TFT touch screen
- ✓ 32 Amp
- ✓ 20 thermocouple baseplates
- ✓ 5 TC baseplates par zone
- ✓ 2 USB ports

AHB 380Q

REFERENCES

AHB380QV3J
AHB380QV3K
A7TC XX
A11PE XX

DESIGNATION

4 zones J type 32 Amp
4 zones K type 32 Amp
10 standard TCs, type K or J
Electrical outlet to be determined according to the country (p.25)

OPTIONS

REFERENCES

A10OPTCALAHB380
A11OP380DSCREEN
A11OP380HYG
A11OP380DEXT
A6ACHB32QZ1
A6ACHB32QZ2
A6ACHB32QZ3

DESIGNATION

Calibration software
Remote screen
Hydrometer
TC extension box
Light accessory case p.24
Normal accessory case p.24
Premium accessory case p.24

MULTI-ZONE

A11MZCS

Very easy to use, this multizone permits to control an important number of repairing zones.

It can operate as multiple heating units sources. This module can manage up to 9 Aeroform Hot Bonders.

IDEAL FOR

- ✓ Big and large repair zones

ADVANTAGES

- ✓ Easy Mode
- ✓ Independent & synchronized zones
- ✓ Unlimited programs
- ✓ Up to 9 zones
- ✓ 3 types of report

MAIN FEATURES

- ✓ Weight: 8 kg
- ✓ Industrial PC
- ✓ 15" Touch Screen
- ✓ 5 to 10 thermocouples per zone
- ✓ 1 USB Port



In this example, the multizone module pilots 4 Aeroform dual-zone cases, i.e. 8 repair zones.

A11MZCS

REFERENCES

- A11MZCS04
- A11MZCS09

DESIGNATION

- Multizone 1 to 4 zones
- Multizone 5 to 9 zones

CONNECTED MODULE

OPTIONS AVAILABLE FOR AHB380 CASE

SMS OPTION

Our AHB380 case offers a unique alert system thanks to its SMS option. It gives you the possibility to control your curing progress and up to five different users can be alerted at the same time.



SMS OPTION	
REFERENCE	DESIGNATION
A11OP380DSMS	SMS alarm option

REMOTE SCREEN

This system offers you the possibility of having a remote screen via the wifi network on three types of units: tablet, smartphone or PC.



REMOTE SCREEN OPTION	
REFERENCES	DESIGNATION
A11OP380DSCREEN	Remote screen

BONDER ACCESSORIES

BOOSTER

A4BOOST

Our Booster is a power amplification unit for heating equipment (Heating mats, IR lamps, Hot Gun).

This unit is available in 32 Amp version to amplify one or two heating zones.

It can be connected to your 230 V or 400 V power grid.



IDEAL FOR

- ✓ Control large heat sources

ADVANTAGES

- ✓ Easy to use
- ✓ Ultra-portable
- ✓ Power amplifier
- ✓ Controls IR lamps, Hot gun & heating mats
- ✓ Circuit breaker: 16 Amp & GFCI 30 mA

MAIN FEATURES

- ✓ Weight: 4.5 kg
- ✓ Voltage: 240 V / 400 V
- ✓ Power cable
- ✓ Connection cable to the hot bonder/booster



VALISE BOOSTER

REFERENCES

A4BOOST32A

A4BOOST32A01

A4BOOST200

A4BOOST100

DESIGNATION

Booster 230 V/32 Amp/2 zones

Booster 230 V/32 Amp/1 zone

Booster 415 V TETRA/32 Amp/2 zones

Booster 415V TETRA/32 Amp/1 zone

ACCESSORY CASES: SINGLE ZONE



**NORMAL CASE
A6ACHB16SZ2**



**PREMIUM CASE
A6ACHB16SZ3**

ACCESSORIES	NORMAL	PREMIUM	REFERENCE
Olycase case	1	1	A8ACESZ
Power cable: 16 Amp, length. 3 m	1	1	A432A3NMFXX*
Compressed air hose: length. 3 m	1	1	A9AH3
Vacuum hose: length. 3 m	2	2	A5VHC3
Thermocouples: length.: 3 m, TCs class 1, Type J or K	3 to 6	3 to 10	A7TC3JT A7TC3KT
Vacuum plug with QRC	Optional	2	A5QVP
Heating mats**:			
150 x 150 mm	/	1	A1HBM1515
250 x 250 mm	/	1	A1HBM2525
350 x 350 mm	/	1	A1HBM3535
User guide	1	1	/

*XX to be determined according to your country (p.25)

** 220 / 240 V to 0.8 W / cm² with 3 m of cable. Available in 110 V (option)



AHBSZ16



AHB380S

ACCESSORY CASES: DOUBLE AND 4 ZONES



LIGHT CASE
A6ACHB32DZ1



NORMAL CASE
A6ACHB32DZ2



PREMIUM CASE
A6ACHB32DZ3

ACCESSORIES	LIGHT	NORMAL	PREMIUM	REFERENCE
Pelicase	1	1	1	A8ACEDZ
Power cable: 16 Amp, length. 3 m	1	1	1	A432A3NMMM
Adapter cable: 16 Amp, length. 1 m	1	1	1	A432A1MFXX*
Compressed air hose: length. 3 m	1	1	1	A9AH3
Vacuum hose: length. 3 m	2	4	4	A5VHC3
Thermocouples : length. 3 m, TCs class 1, Type J ou K	10	15	20	A7TC3JT A7TC3KT
Heating mats**				
150 x 150 mm	/	1	2	A1HBM1515
250 x 250 mm	/	1	2	A1HBM2525
350 x 350 mm	/	1	2	A1HBM3535
Vacuum plug with QRC	Optional	Optional	4	A5QVP
Keyboard: QWERTY	Optional	Optional	1	A11KBQW01
Keyboard: AZERTY	Optional	Optional	1	A11KBAZ01
User guide	1	1	1	/

*XX to be determined according to your country (p.25)

** 220 / 240 V to 0.8 W / cm² with 3 meters of cable. Available in 110 V (option)



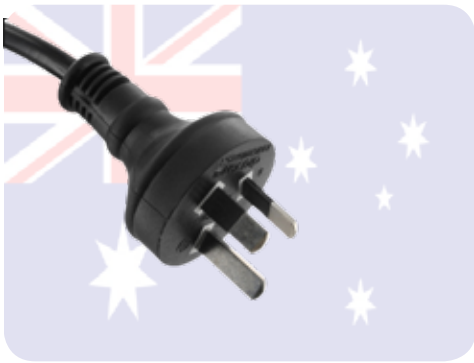
AHB380Q

AHB380D

HOT BONDER ACCESSORIES


ELECTRICAL OUTLETS

REFERENCE	DESIGNATION	MAIN FEATURES
A11PEAU	AUSTRALIA	15 Amp 230 V
A11PECE	EUROPE	16 Amp 230 V
A11PECH	CHINA	15 Amp 250 V
A11PEUK	UK	13 Amp 230 V
A11PEUS	USA	15 Amp 120 V



HOT BONDER ACCESSORIES


POWER CABLES

	DESCRIPTION	REFERENCE		AMPERE	PLUG
	FOR AHB380	A432A3NMMM	3 m	32	3-pin female
	ADAPTER FOR AHB380	A432A1MFXX*	1 m	16	CE, UK, US, CN, AU
	FOR AHBSZ16	A432A3NMFXX*	3 m	16	CE, UK, US, CN, AU

*XX to be determined according to your country (p.25)


The cable length can be from 1 m to 5 m

ADAPTERS

	DESCRIPTION	REFERENCE		AMPERE	INFO
	FOR AEROFORM HOT BONDER / NEMA FEMALE CONNECTOR	A415A1NMHF	1 m	Male Neutrik: 16 Amp Female Nema: 15 Amp	Neutrik male adapter, Nema female
	FOR AEROFORM MAT / NEMA MALE CONNECTOR	A415A1NFHM	1 m	Male Neutrik: 16 Amp Female Nema: 15 Amp	Neutrik female adapter, Nema male
	FOR AEROFORM MAT / SOURIAU MALE CONNECTOR	A416A3MSRFN	3 m	16 Amp	Adapter male Souriau, female Neutrik
	FOR AEROFORM HOT BONDER / SOURIAU FEMALE CONNECTOR	A416A3FSRMN	3 m	16 Amp	Souriau female adapter, Neutrik male

HOT BONDER ACCESSORIES

ADAPTERS

	DESCRIPTION	REFERENCE		AMPERE	INFO
	FOR AHB380D64 HOT BONDER	A416AJMNF01	1 m	Jeager: 32 Amp Neutrik: 16 Amp	Mat connection with Neutrik plug 16Amp
	FOR 2 MATS AHB380D64 HOT BONDER	A4B32A12X15	1 m	Jeager: 32 Amp Neutrik: 16 Amp	Connection of two mats with Neutrik plug 16Amp
	FOR AEROFORM BOOSTER HOT BONDER	A416ABAHB3M	3 m	16 Amp	Booster Adapter Hot Bonder
	FOR MAT OR HOT GUN	A416ANMNF3M	3 m	16 Amp	Extension cable/ Hotgun or heat mat Male Neutrik Female Neutrik
	FOR IR LAMP HOT BONDER	A416ANN3M	3 m	16 Amp	Cable extension IR Lamp – Hot Bonder

The cable length can be from 1 m to 5 m

HOT BONDER ACCESSORIES

SPARE PARTS AND CONSUMABLES FOR OUR CASES

	DÉSIGNATION	RÉFÉRENCE	UTILISATION
	Impact panel printer	A8HBIPP	For Hot Bonder and IR Lamp
	Printer paper	A8HBPP57	For Hot Bonder and IR Lamp 5 rolls
	Printer ribbon	A8HBPR	For Hot Bonder and IR Lamp
	Flexible keyboard QWERTY	A11KBQW01	For Hot Bonder AHB380
	Flexible keyboard AZERTY	A11KBAZ01	
	Olycase Empty accessory case small size	A8ACESZ	For Hot Bonder Weight: 2.5 kg Size: 430 x 380 x 154 mm
	Pelicase Empty accessory case big size	A8ACEDZ	For Hot Bonder Weight: 4.8 kg Size: 524 x 428 x 206 mm
	Trolley	A8AHBT	For Hot bonder
	Trolley		



AEROFORM
COMPOSITES
Aerospace Composites

COMPACT

WARNING
Read Instructions
before using.
Do not touch
the hot surface
of the mold.
Use proper
lifting technique.
Do not use
this equipment
if you are
under the influence
of alcohol or
drugs.
Do not use
this equipment
if you are
unable to
operate it
safely.
Do not use
this equipment
if you are
unable to
operate it
safely.



HEATING SOLUTIONS

AEROFORM Composites designs and assembles repair solutions in its workshops. These innovative heating solutions have been specially designed to ensure unequalled curing uniformity.

Aeroform heating solutions: **infrared (IR) lamps, heating mats and hot guns** are essential for the repair of composite parts.



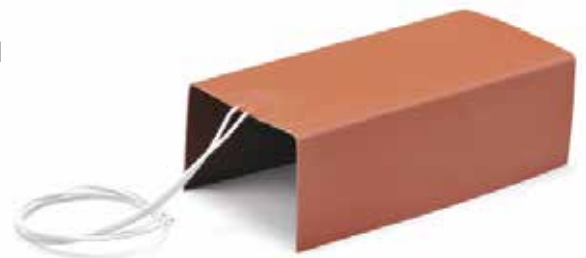
IR Lamps are easy to use. The articulated arm and removable mat allow precise repairs and excellent stability.

Our control systems have been specially programmed to guarantee curing without flash.

Aeroform heating mats are available in various sizes and shapes (standard, stretchable).

They connect directly to our Hot Bonders via their integrated plugs.

Thanks to the silicone flexibility, these mats can be adapted to all forms of composite parts.



Hot Gun is another heating method using compressed air. Its built-in pressure switch makes it possible to control the airflow steadily and to guarantee a good homogeneity of temperature on the heating zone.

The Hot Gun is ideally conceived in order to accelerate resin polymerization and liquid shim drying process.

IR LAMP WITHOUT CONTROL SYSTEM

IRXB01 Range
p.32



IRBL Range
p.33



IRP Premium
p.34



IRS Range
p.35



SIZE	143 x 140 x 690 mm	460 x 550 x 166 mm	690 x 640 x 400 mm	150 x 66 x 164 cm
WEIGHT	2 kg	10 kg	21 kg	50 kg
CIRCUIT BREAKER	16 Amp	16 Amp	16 Amp	16 Amp
MAX POWWER	1000 W	1000 W	3300 W	3300 W
NUMBER OF EMITTERS	/	1	6	3
HEATING ZONE	7,5 x 7,5 cm	20 x 30 cm	20 x 20 cm	90 x 80 m
MAX TEMPERATURE	200°C	100°C	120°C	100°C
REMOVABLE HEAD	Yes	Yes	Yes	Optional
SHELF	Articulated arm + clamp	Pivoting casters	Tripod	Pivoting casters
PRINTER	No	No	No	No

IR LAMP WITHOUT CONTROL SYSTEM

IRXB01 Range

Our Infrared lamps are very easy to use.

Thanks to its clamp and articulated arm, the lamp can be positioned very precisely, in many positions without cluttering the space on the ground/working surface.

These infrared lamps execute cycles of heat very precise via our hot bonders.

IDEAL FOR

- ✓ Curing and drying of small surface

ADVANTAGES

- ✓ The lamp can be fixed to any support thanks to its clamp
- ✓ High flexibility
- ✓ Very space-efficient

MAIN FEATURES

- ✓ Temperature: Up to 200°C
- ✓ Works in all positions
- ✓ Connected to Hot Bonder (or controlled)



IR1B01

IR4B01

IR1B01 RANGE

DÉSIGNATION	IR1B01	IR4B01
Weight	2 kg	12 kg
Size	14.3 x 14 x 6.9 cm	69.8 x 279 x 83 cm
Max Power	1000 W / 220 V	3000 W / 220 V
Number of heating zones	1	2
Heating Zone	7.5 x 7.5 cm	60 x 15 cm
Max Temperature	200°C	200°C
Temperature homogeneity	+/- 5°C to 80°C	+/- 5°C to 80°C
Shelf	Articulated arm + clamp	Tripod

IR1B01 SPARE PARTS



DESIGNATION

REFERENCES

Articulated arm with clamp

A2BA01

Suction cup option

A11IRSUCUP

IR LAMP WITHOUT CONTROL SYSTEM

IRBL RANGE

Our Baby Lamp is very useful. Caster wheels with brakes and movable cassette allow positioning the lamp precisely and offering a good stability. Without control system, these lamps can operate precise cure with one of our hot bonders.



IDEAL FOR

- ✓ Curing and drying operations



ADVANTAGES

- ✓ Easy movable
- ✓ No flash during the cure with our hot bonder
- ✓ Easy to use



MAIN FEATURES

- ✓ Temperature up to 100°C
- ✓ Short wave IR Lamp
- ✓ Operates horizontally or vertically
- ✓ Connected to Hot Bonder (or controlled)



IRBL 1000XL

IRBL 2000

IRBL 1000

IRBL RANGE

DESIGNATION	IRBL 1000	IRBL 1000 XL	IRBL 2000
Weight	46 x 55 x 166 cm	46 x 85 x 186 cm	46 x 120 x 166 cm
Size	10 kg	12 kg	14 kg
Max Power	1000 W / 220 V	1100 W / 220 V	2000 W / 220 V
Emitters	1	1	2
Heating Zone	20 x 30 cm	20 x 30 cm	20 x 60 cm
Max Temperature	100°C	100°C	100°C
Removable head	Yes	Yes	Yes
Min Distance lamp/item	20 cm	20 cm	20 cm

IR LAMP WITHOUT CONTROL SYSTEM

IRP PREMIUM

Our IRP PREMIUM lamp is high-performed and can be positioned easily. It is supplied with a tripod and silicone suction pads of different sizes that guarantees high accuracy in its position and stability.

This lamp and its accessories are integrated in a case which makes it easy to carry for all your travels.



IDEAL FOR

- ✓ Curing & Drying with excellent homogeneity on small surfaces

ADVANTAGES

- ✓ Excellent heat uniformity: $\pm 3^{\circ}\text{C}$ to 95°C
- ✓ Movable emitters to match the shape
- ✓ No flash during the cure with our hot bonder

MAIN FEATURES

- ✓ Temperature up to 120°C
- ✓ Fan to distribute heat
- ✓ 2 handles
- ✓ Tripod and kit of suction pads supplied
- ✓ Controlled per Hot Bonder

IRP PREMIUM

DESIGNATION

DESIGNATION	IRP PREMIUM
Weight	21 kg (case and accessories included)
Size	69 x 64 x 40 cm
Input power	230 V, 50/60 Hz
Heating elements	IR quartz with special design emitters
Emitters	6
Max Power	3300W (15 Amp)
Heating Zone	20 x 20 cm
Temperature	$\pm 3^{\circ}\text{C}$ to 95°C / $\pm 5^{\circ}\text{C}$ to 120°C
Min Distance lamp/item	20 cm
Movable Head & Emitters	Yes
Data export	No

IR LAMP WITHOUT CONTROL SYSTEM

IRS RANGE

The use of infrared lamp is essential for the composite repair irregular shapes when the contactless heat source is required.



IRS V2M

IRS V2D

IDEAL FOR

- ✓ Curing & Drying

ADVANTAGES

- ✓ No flash during the cure with our hot bonder
- ✓ Easily movable
- ✓ Easy to use

MAIN FEATURES

- ✓ Temperature up to 100°C
- ✓ Short waves IR Lamp
- ✓ Individually switched cassette
- ✓ Horizontal or vertical operation
- ✓ Controlled per Hot Bonder

IRS RANGE

DESIGNATION	IRS V2M	IRS V2D
Weight	50 kg	65 kg
Size	150 x 66 x 164 cm	150 x 95 x 164 cm
Circuit breaker	15 Amp	30 Amp
Max Power	3300 W (15 Amp)	6600 W (30 Amp)
Emitters	3	6
Heating Zone	90 x 80 cm	90 x 160 cm
Max Temperature	100°C	100°C
Movable Head	Yes	Yes
Min Distance lamp/item	20 cm	20 cm

OPTIONS

DESIGNATION	REF IRS V2M	REF IRS V2D
3000 W 13 Amp 230 V Power	A11IR30	
3300 W 30 Amp 110 V Power	A11IR110V	
Electrical outlet*	A11PEXX	A11PEXX

*to be determined according to your country (p.25)

IR LAMP WITH CONTROL SYSTEM

IRPEV2
p.37



IRPEV2D
P.37



IRPEV3
p.38



IRPEV3D
p.38



IRPE66V
p.38



SIZE	150 x 66 x 164 cm	150 x 95 x 164 cm	150 x 66 x 184 cm	150 x 95 x 164 cm	150 x 66 x 164 cm
WEIGHT	50 kg	65 kg	50 kg	64 kg	60 kg
CIRCUIT BREAKER	16 Amp	32 Amp	16 Amp	32 Amp	32 Amp
MAX POWER	3300 W	6600 W	3300 W	6600 W	6600 W
NUMBER OF EMITTERS	3	6	3	6	7
NOMINAL ZONE	90 x 80 cm	90 x 160 cm	90 x 80 cm	90 x 160 cm	105 x 75 cm
MAX TEMPERATURE	100°C	100°C	100°C	100°C	100°C
MOVABLE HEAD	Yes	Yes	Yes	Yes	No
PRINTER	Yes	Yes	Yes	Yes	Yes
NUMBER OF TC BASEPLATES	2	2	3 to 6	3 to 6	3 to 6
USB PORT	No	No	Yes	Yes	Yes
VACUUM MEASURE	Yes	Yes	Yes	Yes	Yes

IR LAMP WITH CONTROL SYSTEM

IRPEV2 RANGE



IRPEV2

IRPEV2D

IDEAL FOR

- ✓ Large Curing & Drying with 2 TCs

ADVANTAGES

- ✓ No flash during the cure
- ✓ Touch screen
- ✓ Audible alarm

MAIN FEATURES

- ✓ 3.2" color touch screen
- ✓ Matrix printer
- ✓ Storage: 9 programs
- ✓ 2 thermocouple baseplates
- ✓ Individually adjustable cassettes
- ✓ Short waves IR

IRPEV2

DESIGNATION	IRPE V2	IRPE V2D
Weight	50 kg	65 kg
Size	150 x 66 x 164 cm	150 x 95 x 164 cm
Circuit breaker	16 Amp	32 Amp
Max Power	3300 W (15 Amp)	6600W (30 Amp)
Number of light emitters	3	6
Heating Zone	90 x 80 cm	90 x 160 cm
Max Temperature	100°C	100°C
Movable Head	Yes	Yes

OPTIONS

DESIGNATION	IRPEV2	IRPEV2D
Electrical outlet*	A11PEXX	A11PEXX
Thermocouple type J or K (2TCs)	A11TCXX	A11TCXX
Connect a mat	A11OPIRV2MAT	A11OPIRV2MAT
Hot Bonder connectors	A11OPIRHB	A11OPIRHB
Calibration software	A10OPTCALIRPE	A10OPTCALIRPE
3000 W 13 Amp 230 V Power	A11IR30	/
3300 W 30 Amp 110 V Power	A11IR110V	/

*to be determined according to your country (p.25)

IR LAMP WITH CONTROL SYSTEM

IRPEV3 RANGE

MAIN FEATURES

- ✓ 3 to 6 thermocouple baseplates
- ✓ USB Port
- ✓ 3.2" Color touch screen
- ✓ Storage: 9 programs
- ✓ Short waves IR Lamp
- ✓ Individually switched cassette

IDEAL FOR

- ✓ Curing & Drying operation with 3 up to 6 TCs + USB

ADVANTAGES

- ✓ Vacuum measuring
- ✓ USB
- ✓ Up to 6 thermocouple baseplat

IRPEV3 RANGE



DESIGNATION	IRPE V3	IRPE V3D	IRPE 6.6V3
Weight	50 kg	65 kg	60 kg
Size	150 x 66 x 164 cm	150 x 95 x 164 cm	150 x 66 x 164 cm
Circuit breaker	16 Amp	32 Amp	32 Amp
Max power	3300 W (15 Amp)	6600 W (30 Amp)	6600 W (30 Amp)
Number of light emmitters	3	6	7
Heating zone	90 x 80 cm	90 x 160 cm	105 x 75 cm
Max Temperature	100°C	100°C	120°C
Movable Head	Yes	Yes	No

OPTIONS

DESIGNATION	IRPE V3	IRPE V3D	IRPE 6.6V3
Electrical outlet*	A11PEXX	A11PEXX	A11PEXX
Thermocouple type J or K (3 to 6 TCs)	A11TCXX	A11TCXX	11TCXX
Vacuum leak test	A11OPIRVIDE	A11OPIRVIDE	A11OPIRVIDE
Connect a mat	A11OPIRV3MAT	A11OPIRV3MAT	A11OPIRV3MAT
Hot bonder connector	A11OPIRHB	A11OPIRHB	A11OPIRHB
Calibration software	A10OPTCALIRPE	A10OPTCALIRPE	A10OPTCALIRPE
3000 W 13 Amp 230 V Power	A11IR3.0	/	/
3300 W 30 Amp 110 V Power	A11IR110V	/	/

*to be determined according to your country (p.25)

HEATING MATS

SILICONE MAT

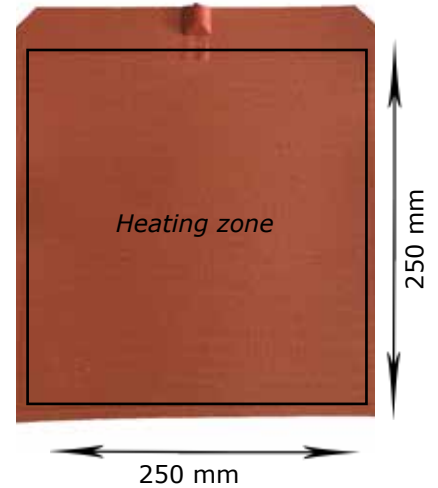
These silicone mats are very resistant. Aeroform mats have an excellent curing consistency for your standard repairs.

IDEAL FOR

- ✓ Standard repairs

SQUARE MAT

HEATING ZONE	110 V	230 V
100 mm x 100 mm	A1HBM1010-110	A1HBM1010
150 mm x 150 mm	A1HBM1515-110	A1HBM1515
200 mm x 200 mm	A1HBM2020-110	A1HBM2020
250 mm x 250 mm	A1HBM2525-110	A1HBM2525
300 mm x 300 mm	A1HBM3030-110	A1HBM3030
350 mm x 350 mm	A1HBM3535-110	A1HBM3535
400 mm x 400 mm	A1HBM4040-110	A1HBM4040
450 mm x 450 mm	A1HBM4545-110	A1HBM4545
500 mm x 500 mm	A1HBM5050-110	A1HBM5050
Other dimensions	A1HBMXXYY-110	A1HBMXXYY



Example of the mat A1HBM2525

Maximum length overall: 3000 mm
Maximum width overall: 940 mm

CIRCULAR MAT

HEATING ZONE	110 V	230 V
100 mm diam.	A1HBMD10-110	A1HBMD10
150 mm diam.	A1HBMD15-110	A1HBMD15
200 mm diam.	A1HBMD20-110	A1HBMD20
250 mm diam.	A1HBMD25-110	A1HBMD25
300 mm diam.	A1HBMD30-110	A1HBMD30
350 mm diam.	A1HBMD35-110	A1HBMD35
400 mm diam.	A1HBMD40-110	A1HBMD40
450 mm diam.	A1HBMD45-110	A1HBMD45
500 mm diam.	A1HBMD50-110	A1HBMD50
Other dimensions	A1HBMDXX-110	A1HBMDXX



Example of a mat A1HBMD25

Maximum diameter overall: 940 mm

Adhesive option (1 or 2 sides) possible, please specify the adhesive side.
 For other shapes (rectangle, diamond), please refer to the section "Mat in shape" on page 41.

HEATING MATS

STRETCHABLE MATS

Stretchable silicone heater mat fits every curves and shapes.

 **IDEAL POUR**
 ✓ 3D repairs

SQUARE MAT

HEATING ZONE	110 V	230 V
100 mm x 100 mm	A1SHBM1010-110	A1SHBM1010
150 mm x 150 mm	A1SHBM1515-110	A1SHBM1515
200 mm x 200 mm	A1SHBM2020-110	A1SHBM2020
250 mm x 250 mm	A1SHBM2525-110	A1SHBM2525
300 mm x 300 mm	A1SHBM3030-110	A1SHBM3030
350 mm x 350 mm	A1SHBM3535-110	A1SHBM3535
400 mm x 400 mm	A1SHBM4040-110	A1SHBM4040
450 mm x 450 mm	A1SHBM4545-110	A1SHBM4545
500 mm x 500 mm	A1SHBM5050-110	A1SHBM5050
Other dimensions	A1SHBMXXYY-110	A1SHBMXXYY

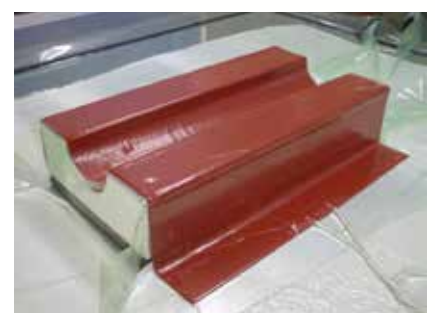
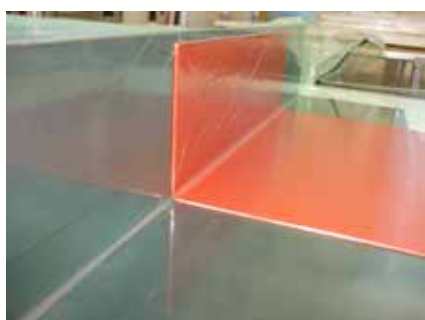
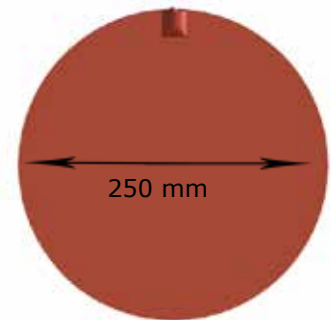
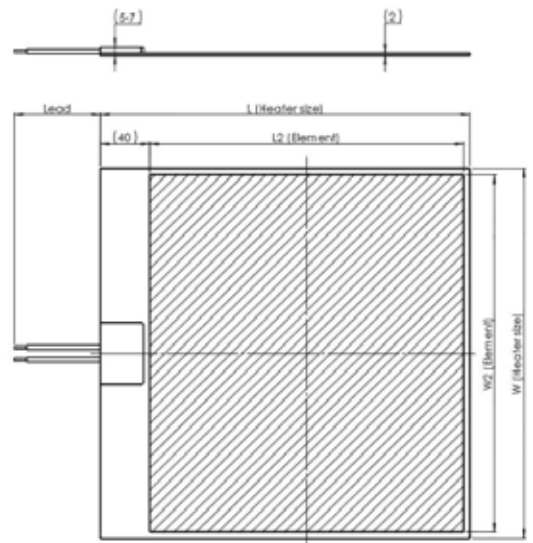
Maximum length overall: 1000 mm
Maximum width overall: 900 mm

CIRCULAR MAT

HEATING ZONE	110 V	230 V
100 mm diam.	A1SHBMD100-110	A1SHBMD100
150 mm diam.	A1SHBMD150-110	A1SHBMD150
120 mm diam.	A1SHBMD200-110	A1SHBMD200
125 mm diam.	A1SHBMD250-110	A1SHBMD250
130 mm diam.	A1SHBMD300-110	A1SHBMD300
135 mm diam.	A1SHBMD350-110	A1SHBMD350
140 mm diam.	A1SHBMD400-110	A1SHBMD400
145 mm diam.	A1SHBMD450-110	A1SHBMD450
500 mm diam.	A1SHBMD500-110	A1SHBMD500
Other dimensions	A1SHBMDXXX-110	A1SHBMDXXX

Maximum diameter overall: 900 mm

For other shapes (rectangle, diamond), please contact us.



HEATING MATS

MAT IN SHAPE

This custom-made heating mat can be adapted to your needs and to the shape of the repair zone.



IDEAL FOR

- ✓ Specific repairs

MAT IN SHAPE		
HEATING ZONE	110 V	230V
On request after studying customer specifications	A13DHBMXY-110 X = width Y = length	A13DHBMXY X = width Y = length



MULTIZONE

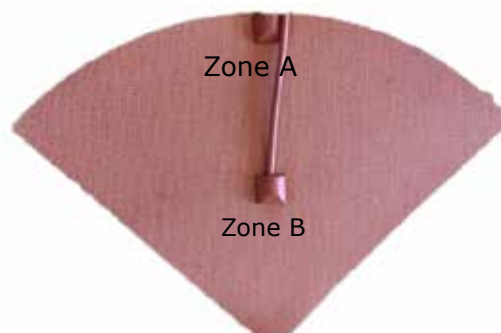
This heating mat is specially designed to polymerize large zones and control each zone independently of each other.



IDEAL FOR

- ✓ Large zones to polymerize

MULTIZONE MAT		
HEATING ZONE	110V	230V
Upon request	A12CHBMXX-110	A12CHBMXX



Adhesive option (1 or 2 sides) possible, please specify the adhesive side.
For other shapes (rectangle, diamond), please contact us.

HEATING MATS

RADOME



IDEAL FOR

✓ Radome repairs

Our heating mats are specially designed for composite structural repairs using the vacuum molding system.

RADOME MAT

REFERENCES

A1RHBMA320E01
A1RHBMA330E01
A1RHBMA350E01

DESIGNATION

Radome exterior mat A320 family
Radome exterior mat A330/340 family
Radome exterior mat A350 family



MAT TEMPERATURE CONTROLLER

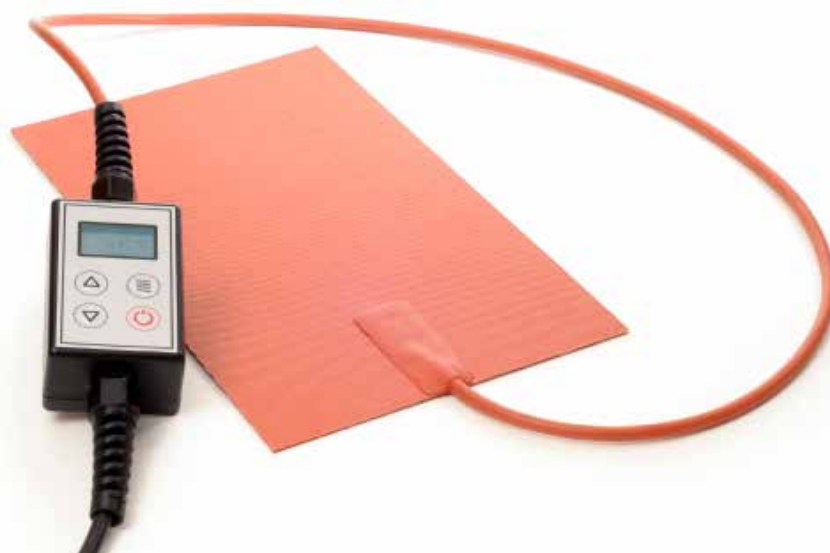
MULTIZONE MAT CONTROLLER

HEATING ZONE

230 V

On request after studying customer specifications

A13DHCTIXY
X = width
Y = length



HOT GUN

HOT GUN

The Aeroform Hot Gun range is another method of heating your materials using compressed air.

Its integrated pressure switch allows us to control air flow safely and guarantees a good temperature homogeneity.

The Hot Gun is perfectly designed in order to accelerate resin polymerization and liquid shim drying.



IDEAL FOR

- ✓ Difficult shapes and access

MAIN FEATURES

- ✓ Power: 1000 W to 3000 W
- ✓ 3 m long inlet air hose and its control valve
- ✓ Filter supplied

HOT GUN

REFERENCES

HOTGUN1000
HOTGUN2000
HOTGUN3000

DESIGNATION

Hot Gun 1000 W
Hot Gun 2000 W
Hot Gun 3000 W

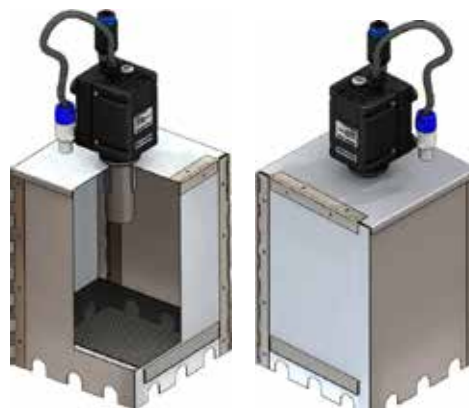
OPTIONS

REFERENCES

A2FALOV202030

DESIGNATION

Folding oven (photo)



Folding oven

SPARE PARTS

REFERENCES

A2BA02

DESIGNATION

Articulated arm with fixing plate

HOT AIR BOX

DRYING SOLUTION

Aeroform has developed highly innovative hot air polymerization solutions to speed up the drying process of the resin, sealant at your production sites.

The advantages of this system are to reduce the polymerisation time, guaranteeing significant cost savings for the operator.

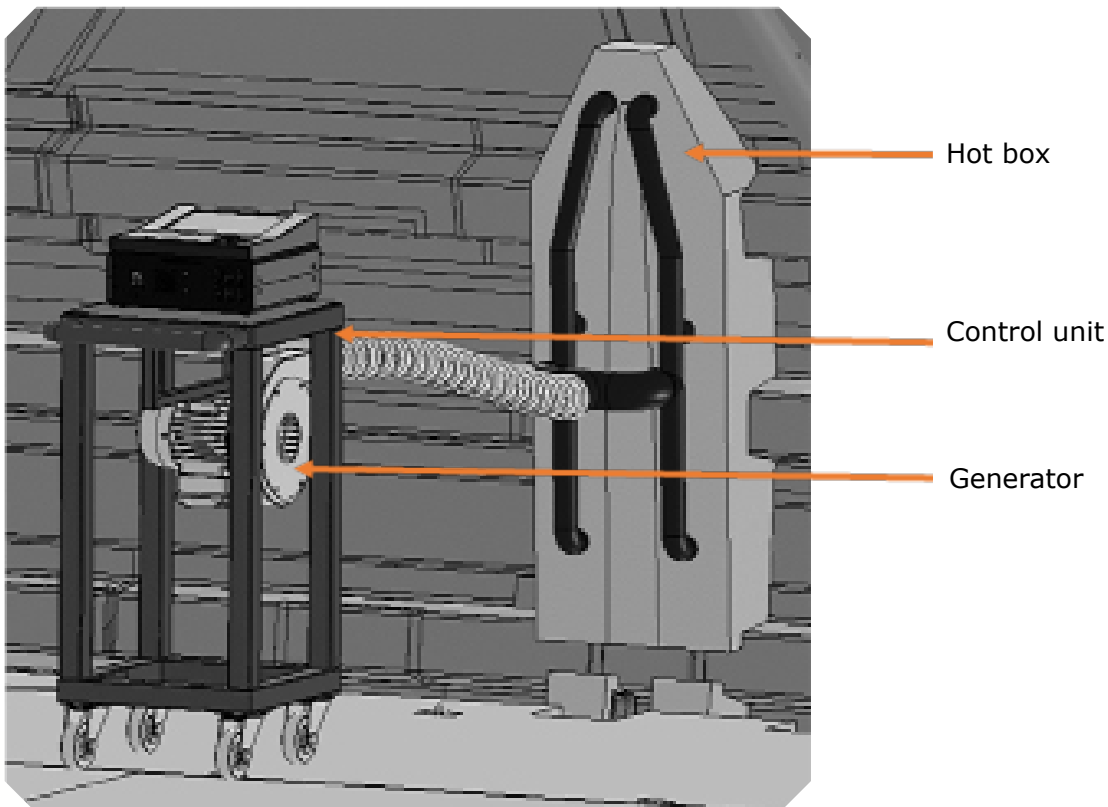
After the analysis of your specifications, we will provide you with a complete solution including the control unit, a generator and the hot box.

IDEAL FOR

- ✓ Rapid drying of resin, sealant during repair and process of structural parts

ADVANTAGES

- ✓ Time saving
- ✓ Financial gain



Explanatory diagram of a hot air box

For any request please contact us and provide us with the plan of your parts and your specifications.



REFERENCED CLIENTS: HEATING SOLUTIONS



AIRBUS



AIRBUS
HELICOPTERS

AIRFRANCE



BOEING



SAFRAN



BOMBARDIER



SAAB



中國東方航空
CHINA EASTERN



SEPANG AIRCRAFT
ENGINEERING



Lufthansa Technik



VACUUM & AIR

AEROFORM designs and assembles vacuum and air equipment in its workshops.

Constantly looking for innovative solutions, AEROFORM Composites is dedicated to developing new accessories and equipment for vacuum and air.

We offer a wide range of equipment (vacuum pumps...) and a range of accessories (hoses, vacuum plugs, connectors, vacuum gauges...) essential for the process and repair of composite parts.



HoseVac is a vacuum hose for autoclave. Its high performance and unique design guarantee an unbeatable lifespan.

The hose consists of a convoluted stainless steel flexible hose, with an outer braid, stainless steel wire with an additional Silicone Layer around it to protect vacuum bag.



VACUUM EQUIPMENT

VACUUM PUMPS

	REFERENCE	MAIN FEATURES	WEIGHT	DEBIT	VACUUM
	A3PAV4M	350 x 270 x 200 mm 88V ou 264 V, 47/63 Hz 250 W 72 dB	10.4 kg	4.2 m ³ /h	940 mbar
	A3PAV5M	250 x 128 x 176 mm 230V 50/60 Hz 330 W 57 dB	7.4 kg	5 m ³ /h	900 mbar
	A3PAV6M	370 x 170 x 256 mm 230V 50 Hz 165 W	5.5 kg	2.5 m ³ /h	900 mbar
	A3PAV1.6M	370 x 170 x 256 mm 230 V 50 Hz 350 W	4.2 kg	1.6 m ³ /h	980 mbar

VACUUM EQUIPMENT

VACUUM LEAK DETECTOR

A5INFV01

This vacuum leak detector is widely used during your repairs of composite parts. It allows you to detect the vacuum leak rate.



VACUUM LEAK TESTER

A5VLT01

This device is used to maintain vacuum hoses of your autoclaves, quick couplings (QRC type ISOB) and vacuum plugs. It allows to test 2 hoses and a vacuum plug at the same time.



ULTRASONIC LEAK DETECTOR

A6ULD

A gas or a liquide escaping from a hole or a crack can cause ultrasounds, high frequency sounds that a human ear can not perceive.

These ultrasounds are picked up by the leak detector using the directional microphone or the ultrasonic probe.



VACUUM ACCESSORIES

VACUUM HOSES FOR OVEN & HOT BONDER




- ✓ Oven
- ✓ Hot bonder


Aeroform vacuum hose is frequently used in a composite industry.

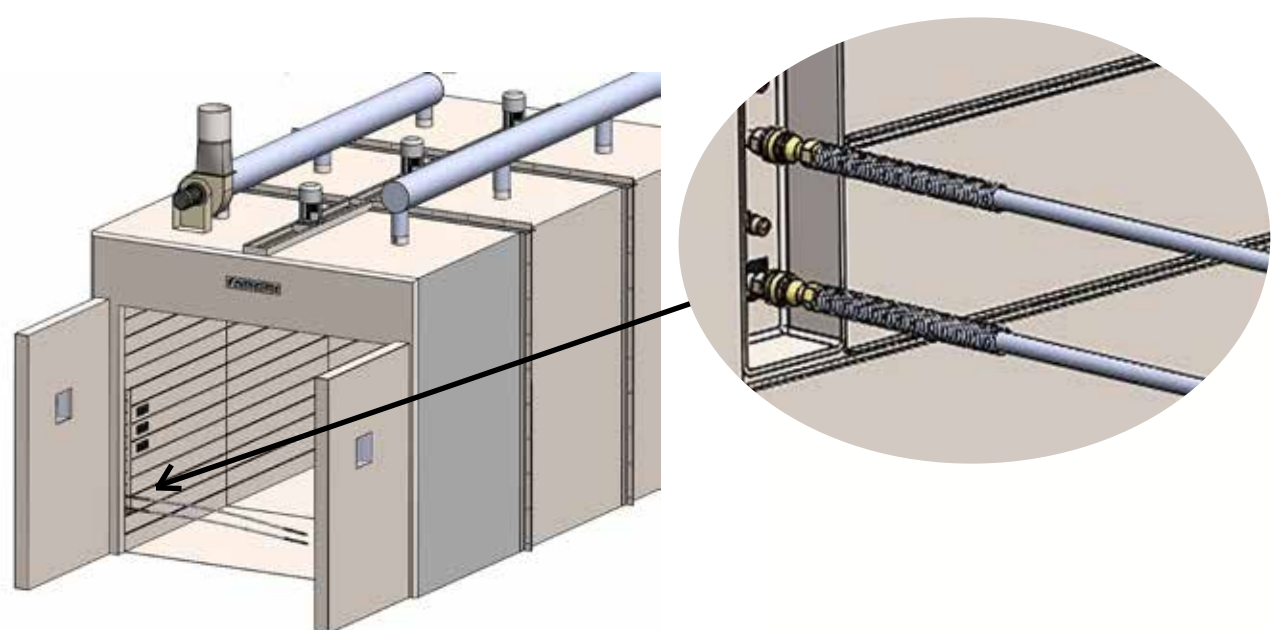
It is directly related to measuring or drawing vacuum in your oven & hot bonder

REFERENCES		TECHNICAL INFORMATION
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	<p>A5VH25</p> <p>1 m to 25 m</p>	<p>200°C</p> <p>0 to -1 Bar</p>	<p>Material : Silicone 70 shore</p> <p>Ø inn. : 8 mm</p> <p>Ø out. : 16 mm</p>
-----------------------------------------------------------------------------------	----------------------------------	---------------------------------	-----------------------------------------------------------------------------------------------------

	<p>A5VHC3</p> <p>A5VHC5</p> <p>A5VHC7</p> <p>A5VHC15</p>	<p>3 m</p> <p>5 m</p> <p>7 m</p> <p>15 m</p>	<p>200°C</p> <p>0 to -1 Bar</p> <p>Material : Silicone 70 shore</p> <p>Ø inn. : 8 mm</p> <p>Ø out. : 16 mm</p> <p>Material of the outer tube : Spring at each end</p>
------------------------------------------------------------------------------------	----------------------------------------------------------	----------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<p>A5VHC3R</p> <p>A5VHC5R</p> <p>A5VHC7R</p> <p>A5VHC15R</p>	<p>3 m</p> <p>5 m</p> <p>7 m</p> <p>15 m</p>	<p>200°C</p> <p>0 to -1 Bar</p> <p>Material : Silicone 70 shore</p> <p>Ø inn. : 8 mm</p> <p>Ø out. : 16 mm</p> <p>Material of the inner tube : Stainless steel spring</p> <p>Material of the outer tube : Spring at each end</p>
-------------------------------------------------------------------------------------	--------------------------------------------------------------	----------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



VACUUM ACCESSORIES



IDEAL FOR

- ✓ Autoclave

HOSEVAC: AUTOCLAVE VACUUM HOSE

HoseVac has been designed for professionals in the composite industry who seek to control the vacuum leak for autoclave.

HoseVac by Aeroform Composites is a high performance vacuum hose that guarantees an unbeatable lifespan in a high temperature and high pressure enclosure.

ADVANTAGES

- ✓ Zero vacuum leak
- ✓ Tested and approved in composites industry
- ✓ Unbeatable lifespan
- ✓ High security
- ✓ High resistance to fatigue
- ✓ Traceability



TECHNICAL INFORMATION

✓ Material type of inner tube	Hydroformed wall with normal waves of 316 L stainless steel
✓ Material type of outer braid	Stainless steel reinforced by a braid
✓ Material type of outer protection	Silicone rubber
✓ End fitting	Welded fittings with different sizes available
✓ Service temperature	232°C (450°F) , max temperature peak 250°C (482°F)
✓ Max autoclave pressure	83 bar (1203,81 PSI)
✓ Length	0,2 to 50 m (0,65" to 164")

REFERENCES		Ø INN.	Ø OUTER.	BEND RADIUS
A5VHAXXHT011	1/4"	8.5 mm	20 mm	50 mm
A5VHAXXHT012	3/8"	8.5 mm	20 mm	50 mm
A5VHAXXHT013	1/2"	8.5 mm	20 mm	50 mm

*Other diameter sizes available















With vacuum plug







VACUUM ACCESSORIES

QRC / CONNECTOR / ISO B CONNECTOR

	DESIGNATION	REFERENCE				MATERIAL
	Male QRC	A5MCG14	210°C	1/4"	10 Bar	BRASS
	Female QRC	A5FCHG14	210°C	1/4"	10 Bar	BRASS
	Male QRC	A5MCG14X	230°C	1/4"	15 Bar	STAINLESS STEEL
	Female QRC	A5FCHG14X	230°C	1/4"	15 Bar	STAINLESS STEEL
	BS Ring	A5BSJV14	230°C	1/4"	15 Bar	VITON








	DESIGNATION	REFERENCE	CONNECTOR	Traversed Ø		MATERIAL
	Staubli connector Male thread	A5SF06MG14X	1/4" male BSP	6 mm	15 Bar	INOX
	Staubli connector Female thread	A5SF06FG14X	1/4" female BSP	6 mm	15 Bar	INOX
	Staubli connector	A5SF06TE08X	Tail 8 mm	6 mm	15 Bar	INOX
		A5SF06TE10X	Tail 10 mm			
		A5SF06TE13X	Tail 13 mm			

STAUBLI RBE06 CONNECTION NOZZLE

	DESIGNATION	REFERENCE	CONNECTOR	Traversed Ø		MATERIAL
	Staubli nozzle Male thread	A5SM06MG14X	1/4" BSP male	6 mm	50 Bar	STEEL
	Staubli nozzle Female thread	A5SM06FG14X	1/4" BSP female	6 mm	50 Bar	STEEL
	Staubli nozzle Dual tails	A5SM06TE08X	Tail 8 mm	6 mm	50 Bar	STEEL
		A5SM06TE10X	Tail 10 mm			
		A5SM06TE13X	Tail 13 mm			

VACUUM ACCESSORIES

FITTINGS AND ADAPTERS






	DESIGNATION	REFERENCE	Ø	MATERIAL
	Male / female elbow	A5CDMF14X	1/4"	STAINLESS STEEL
	Male / male adapter	A5MAMM14X	1/4"	STAINLESS STEEL
	Y adapter 1/4" threefold female	A5YFFF14X	1/4"	STAINLESS STEEL
	T adapter 1/4" threefold female	A5TFFF14X	1/4"	STAINLESS STEEL
	X adapter 1/4" four female	A5CFFFF14X	1/4"	STAINLESS STEEL
	Hose tail	A5T13M14X	1/4" 13mm	STAINLESS STEEL
	QRC plug	A5BM14X	1/4"	STAINLESS STEEL

VACUUM ACCESSORIES

EXAMPLES OF AEROFORM MOUNTED PARTS

Aeroform offers to assemble your fittings according to your needs.

Here are some examples of common assemblies under the reference A5MTG.

	DESCRIPTION	MATERIAL
	Y adapter with a Staubli connection nuzzle and 2 Staubli connectors	STAINLESS STEEL
	Vacuum connection with a male / male connector 1/4'' + 2 male QRC to connect 2 vacuum hoses	STAINLESS STEEL
	Y vacuum adapter with 2 male and 1 female QRCs	STAINLESS STEEL
	T vacuum connection with 1 female QRC and 2 hose tails	STAINLESS STEEL
	QRC with plug	BRASS / STEEL

VACUUM ACCESSORIES

VACUUM PLUGS

	REFERENCE	∅			MATERIAL	INFO
	A5QVPD65	65 mm	10 Bar	230°C	Aluminium	Without QRC
	A5QVP	65 mm	10 Bar	200°C	Aluminium	BRASS QRC
	A5QVPX	65 mm	10 Bar	230°C	Aluminium	STAINLESS STEEL QRC
	A5QEVPD60	60 mm	5 Bar	230°C	Aluminium	Without QRC
	A5QEVP	60 mm	5 Bar	200°C	Aluminium	BRASS QRC
	A5QEVPX	60 mm	5 Bar	230°C	Aluminium	STAINLESS STEEL QRC
	A5QVPSD50	50 mm	10 Bar	230°C	Steel	Without QRC
	A5QVPS	50 mm	10 Bar	200°C	Steel	BRASS QRC
	A5QVPSX	50 mm	10 Bar	230°C	Steel	STAINLESS STEEL QRC

DESIGNATION	REFERENCE	MATERIAL
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Vacuum plug seal

A5JOD65
A5JOD60
A5JOD50


Silicone

VACUUM ACCESSORIES

VACUUM GAUGES




	DESCRIPTION	REFERENCE	Ø		MATERIAL	INFO
	Glycerine filling unit	A5VGV01	63 mm 1/4"	0 to 1000 mbar	STAINLESS STEEL	1.6 class
	Unit without filling	A5VGV02	50 mm 1/4"	0 to 1000 mbar	BLACK PLASTIC	2.5 class
	Digital unit	A5VGV03	80 mm 1/4"	0 to 1000 mbar	STAINLESS STEEL	Accuracy: 0.5% ± 1 Digit
	Rubber protection bonnet for vacuum gauges	A5BC63 A5BC50	63 mm 50 mm			

ASSEMBLED VACUUM GAUGE EXAMPLE


	DESCRIPTION	REFERENCE	MATERIAL
	Vacuum gauge mounted on connection and vacuum plug	A5VGVP01	STAINLESS STEEL NICKEL BRASS

VACUUM ACCESSORIES




VACUUM REGULATOR

	REFERENCE		MATERIAL
	A5RVP980	0 to 980 mBar	ALUMINIUM
	A5RVPB980	0 to 980 mBar	PLASTIC

ASSEMBLED VACUUM REGULATOR EXAMPLE

	REFERENCE	DESCRIPTION
	A5RVM01X	Vacuum plug + QRC female + vacuum regulator + vacuumeter

VENTURI



	REFERENCE		MATERIAL	INFO
	A3VENT900	900 mBar	PLASTIC	185 NI/min flow rate 7 Bar / 100 PSI max. pression
	A3VENT900AL	900 mBar	ALUMINIUM	Max. pressure 5 Bar

ASSEMBLED VENTURI


	REFERENCE		MATERIAL	INFO
	A3VENT900V01	900 mBar	PLASTIC	Flow rate:185 NI/min Max.Pressure: 7 Bar / 100PSI Dry type venturi + Staubli connector + vacuum gauge

AIR ACCESSORIES


AIR ACCESSORIES

	REFERENCE	Ø			MATERIAL
	A9RAFM Male thread	1/4" 5 mm	60°C	10 Bar	NICKEL BRASS
	A9RAFF Female thread	1/4" 5 mm	60°C	10 Bar	NICKEL BRASS

AIR INLET HOSE

	REFERENCE	Ø		MATERIAL	INFO
	A9AH3	8 mm	7 bar	NICKEL BRASS CONNECTOR	3 m length For Hot Bonders

AIR FILTER

	REFERENCE		MATERIAL	INFO
	A9AFT380	7 Bar / 100 PSI	NICKEL BRASS CONNECTOR	Male/female 021 range

ACCESSORIES AND TOOLS

Based on our know-how and expertise in the composite field, Aeroform commits to provide a range of accessories and tools adapted to your process and repair needs

Aeroform offers a complete range of tools adapted to your on-site travel constraints.

THERMOCOUPLES

Aeroform offers a wide range of thermocouples with standard or miniature connectors.

We also offer flat thermocouples specially developed for the manufacture and repair of composite parts.

TOOL CASES

Aeroform offers you ideal tool kits for repair of composite parts with the main tools.



COMPOSITE ACCESSORIES

FLAT THERMOCOUPLES

The A7TCPL thermocouple is innovative, low-profile. Its design was inspired by the need for very small cross-section thermocouple wire, required for the field repair of composites, such as repairing damaged aircraft surfaces.

It is ideal for applications where thermocouple measurements require fitting through narrow spaces.



A1/A2 : Standard TCs
B1/B2 : Flat TCs

IDEAL FOR



- ✓ Hot Bonder
- ✓ Autoclave
- ✓ Etuve

ADVANTAGES

- ✓ Easy to use, saves time during installation
- ✓ 4 times smaller than a standard thermocouple
- ✓ Reduces leakage risks under vacuum
- ✓ Less impact on surfaces

MAIN FEATURES

- ✓ Type J or K
- ✓ Thickness: 0.3 mm
- ✓ Tolerance: 1st Class
- ✓ Tracking label for NADCAP audits
- ✓ Certificate upon request

REFERENCE			TYPE	THICKNESS	PLUG	MATERIAL
A7TC3PLJ	3 m Xm*: bespoke	260°C	J	0.3 mm	Standard	KAPTON
A7TC3PLK			K			
A7TC3PLMJ	3 m Xm*: bespoke	260°C	J	0.3 mm	Miniature	KAPTON
A7TC3PLMK			K			

* X to be replaced according to the length

COMPOSITE ACCESSORIES

STANDARD THERMOCOUPLES

This thermocouple model is characterized by its flexibility and ease of implementation. It is ideal for composite curing in the aerospace industry.

It can measure the surface temperature up to 220° C. Type J or K, it is supplied with a standard or miniature connector according to your needs.



Conform to AMS2750E (Max gap +/-1,1°C)
Certificate on demand

IDEAL FOR







- ✓ Hot Bonder
- ✓ Autoclave
- ✓ Oven

ADVANTAGES

- ✓ Class 1 according to standard NF EN 60584-1
- ✓ Aeroform traceability label for NADCAP audits
- ✓ Certificate AMS2750E on request

MAIN FEATURES







- ✓ Insulation: Teflon
- ✓ Plug: Standard or miniature
- ✓ Conductor diameter: 1.3 x 2.3 mm

	DESIGNATION	REFERENCE			TYPE
	TC teflon standard plug	A7TC3JT	3 m Xm*: bespoke	220°C	J
	TC teflon standard plug	A7TC3KT	3 m Xm*: bespoke	220°C	K
	TC teflon miniature plug	A7TC3JTM	3 m Xm*: bespoke	220°C	J
	TC teflon miniature plug	A7TC3KTM	3 m Xm*: bespoke	220°C	K

* X to be replaced according to the length










COMPOSITE ACCESSORIES

STANDARD THERMOCOUPLES

	DESIGNATION	REFERENCE			TYPE
	Inconel lined TC with standard plastic plug	A7TC3JI350	3 m Xm*: bespoke	350°C	J
	Inconel lined TC with standard plastic plug	A7TC3KI350	3 m Xm*: bespoke	350°C	K
	Inconel lined TC with ceramic plastic plug	A7TC3JI450	3 m Xm*: bespoke	700°C	J
	Inconel lined TC with ceramic plastic plug	A7TC3KI450	3 m Xm*: bespoke	700°C	K







* X to be replaced according to the length

THERMOCOUPLE CONNECTORS






	REFERENCE		TYPE	PLUG	MATERIAL
	A7PTCJ	200°C	J	Standard	Thermoplastic
	A7PTCK	200°C	K	Standard	Thermoplastic
	A7PTCJM	200°C	J	Miniature	Thermoplastic
	A7PTCKM	200°C	K	Miniature	Thermoplastic
	A7PTCPJ	350°C	J	Standard	Plastic
	A7PTCPK	350°C	K	Standard	Plastic
	A7PTCCJ	650°C	J	Standard	Ceramic
	A7PTCCK	650°C	K	Standard	Ceramic

COMPOSITE ACCESSORIES



THERMOCOUPLE CABLES

	DESIGNATION	REFERENCE			TYPE	MATERIAL
	Simple thermocouple cable	A7WTC25JT	25 m	250°C	J	TEFLON
	Simple thermocouple cable	A7WTC25KT	25 m	250°C	K	TEFLON
	Simple thermocouple cable	A7WTC50JT	50 m	250°C	J	TEFLON
	Simple thermocouple cable	A7WTC50KT	50 m	250°C	K	TEFLON

THERMOCOUPLE BASES

	REFERENCE		+	-	TYPE	PLUG
	A7ETCSJ	250°C	Fer	Constantan	J	Standard
	A7ETCSK	250°C	Chromel	Alumel	K	Standard
	A7ETCMJ	250°C	Fer	Constantan	J	Miniature
	A7ETCMK	250°C	Chromel	Alumel	K	Miniature

OTHER CONNECTORS: MALE / FEMALE EXTENSION

DESIGNATION	REFERENCE			PLUG	MATERIAL
TC extension type J, male / female connector	A7RTC3J	200°C	3 m Xm*: bespoke	Standard	Thermoplastic
TC extension type K, male / female connector	A7RTC3K	200°C	3 m Xm*: bespoke	Standard	Thermoplastic
TC adapter type J miniature male connector / standard female connector	A7RTC0.2MJ	200°C	0.2 m Xm*: bespoke	Miniature / standard	Thermoplastic
TC adapter type K miniature male connector / standard female connector	A7RTC0.2MK	200°C	0.2 m Xm*: bespoke	Miniature / standard	Thermoplastic

* X to be replaced according to the length

COMPOSITE ACCESSORIES

TC WELDER

The TC WELDER is a portable battery welding machine. It has been specially designed to make thermocouple junction welds in the workshop as well as on site.



✓ TC junctions



A7TCWELDER01



A7TCWELDER02



REFERENCE		Kg	TC JUNCTION	POWER	INFO
A7TCWELDER01	310 x 230 x 120 mm	4 kg	2 x 1 mm dia.	0 to 30 joules	Battery equipment Ideal for monobrin TC
A7TCWELDER02	310 x 230 x 120 mm	5 kg	2 x 1.6 mm dia.	0 to 80 joules	Argon junction possible Ideal for multibrin TC

COMPOSITE TOOLS

TOOL KIT LIGHT

Aeroform offers a repair tool kit for the repair of the composite surface.

With its light case, Aeroform provides the main tools for your structural repairs.

IDEAL FOR

- ✓ Aircraft structure repair

MAIN FEATURES

- ✓ Dimensions: 35 x 28 x 5.5 cm
- ✓ Weight: 1.5 kg
- ✓ Reference: A6CRTCL01



COMPOSITE TOOLS

TOOL KIT PREMIUM

Aeroform provides tool kits dedicated to composite surface preparation.

The case is divided into six drawers and a free plate. Tools are held by a two-tone foam, which allows a quick storage.

IDEAL FOR

- ✓ Composite repair

ADVANTAGES

- ✓ Tool kit for composite repairs
- ✓ Brand tools
- ✓ Transportable on site

MAIN FEATURES

- ✓ Weight: 30 kg
- ✓ Size: 608 x 375 x 456 mm
- ✓ Casters and handle
- ✓ Suitcase version: A6CRTCP01
- ✓ Trolley version: A6CRTCP02



COMPOSITE TOOLS

TOOL KIT PREMIUM



DRAWER 1



DRAWER 2



DRAWER 3

COMPOSITE TOOLS

TOOL KIT PREMIUM



DRAWER 4



DRAWER 5



DRAWER 6

COMPOSITE & METAL TOOLS

AERO FULL REPAIR

Aeroform provides tool kits dedicated to composite & metallic surface preparations.

The case is divided into six drawers and a free plate.

Tools are held by a foam, which allows a quick storage.



IDEAL FOR

- ✓ Composite & metal repair

ADVANTAGES

- ✓ Full tool kit for structural repairs
- ✓ Brand tools
- ✓ Transportable on site

MAIN FEATURES

- ✓ Deposited model: FR1029227
- ✓ Number of tools: 100
- ✓ Weight: 32.7 kg (case version)
- ✓ Size: 608 x 375 456 mm
- ✓ Suitcase version: A6AFR01
- ✓ Trolley version: A6AFR02



In partnership with

BIJA Industrie
Aerospace & Industry

In collaboration with

 **AIRBUS**
HELICOPTERS

COMPOSITE & METAL TOOLS

AERO FULL REPAIR



DRAWER 1



DRAWER 2

COMPOSITE & METAL TOOLS

AERO FULL REPAIR



DRAWER 3



DRAWER 4

COMPOSITE & METAL TOOLS

AERO FULL REPAIR



DRAWER 5



DRAWER 6



DRAWER 6+

COMPOSITE WORKSHOP

Based on its experience and expertise in the manufacturing and repair of composite structural parts, Aeroform trains and assists its customers in the construction and development of a composite workshop.

Aeroform guides you in your composite workshop project in 3 steps:

- ✓ **Step 1: Design your workshop**
- ✓ **Step 2: Provision of all necessary equipment**
- ✓ **Step 3: Train your team in composite repair**



COMPOSITE WORKSHOP

FREEZER

The chest freezer is ideally designed to store prepreg rolls.



WALK-IN FREEZER

In order to facilitate the storage of the prepreg, Aeroform offers cold rooms equipped with shelves.



IDEAL FOR

- ✓ Storing carbon fiber

MAIN FEATURES

- ✓ Volume: 700 liters
- ✓ Internal dimensions: W 1935 x D 510 x H 615 mm
- ✓ Temperature: -15°C / -25°C
- ✓ Digital thermostat
- ✓ Insulation: 60 mm
- ✓ Power: 260 W

OPTIONS

Digital recorder:

- ✓ Probe length: 2 m
- ✓ Accuracy: $\pm 0.5^{\circ}\text{C}$
- ✓ Saves up to 84650 values
- ✓ Frequency of recording: 1s to 18h
- ✓ Setup with free Windows compatible software
- ✓ Communication: USB
- ✓ Battery: 2 x 1.5 V AAA



A15TR-01



COMPOSITE WORKSHOP

MOVABLE & TRANSPORTABLE DOWNDRAFT TABLE

The movable downdraft table A9DTM has been especially designed to capture dust, residues at the end of every sanding, deburring and dusting operation.



A15DTM69X66



IDEAL FOR

- ✓ Multi-site transportation
- ✓ Carbon part repair
- ✓ Dust capture of composite materials

MAIN FEATURES

- ✓ Low noise level: 70 dB
- ✓ Movement and blocking wheels
- ✓ Movable lateral protections
- ✓ ATEX construction
- ✓ Opacimetric filter F7
- ✓ Absolute filter HEPA H13, 99,95%
- ✓ "Light Duty"
- ✓ Polyethylene worktop

REFERENCE	MATERIAL	WORKTOP
A15DTM69X66	Steel	1600m ³ /h
1105x1010 mm	210 kg	0,75 kW
		220 V Tri

COMPOSITE WORKSHOP

DOWNDRAFT TABLES

The A15DT range has been especially designed to improve the exposure conditions of operators carrying out work generating dust, steam, fumes etc.



A15DT70X100



A15DT70X200

IDEAL FOR

- ✓ Repair of composite parts
- ✓ Dust capture of composite parts

MAIN FEATURES

- ✓ Compressed air connection: 1/4", at 4/5 bar
- ✓ 99% B.I.A certified filter cartridges
- ✓ Absolute filter H13 99,95%
- ✓ Metal worktop
- ✓ "Heavy Duty"
- ✓ Other dimensions available

OPTIONS

- ✓ Non scratching worktop (polyethylene)
- ✓ ATEX standards



REFERENCES		MATERIAL		WORKTOP			
A15DT70X100	1305x1040x2210 mm	Steel	430 kg	700x1000 mm	2800m ³ /h	0,75 kW	380 V Tri
A15DT70X200	1305x2040x2210 mm	Steel	625 kg	700x2000 mm	5500m ³ /h	1,5 kW	380 V Tri

COMPOSITE WORKSHOP

COMPOSITE REPAIR CLEANROOMS

Our cleanroom is designed to repair all aircraft components in a safe and private working environment.

It can be installed in just a few minutes by 2 people, without the need for prior training.

We can also provide bespoke cleanrooms when the standard range is not fitting your needs.

IDEAL FOR

- ✓ Composite repair
- ✓ On-site intervention not equipped with a clean room

MAIN FEATURES

- ✓ Dimensions (Stored): 1.2x1x1 m
- ✓ Packed Weight: 175 kg
- ✓ Dimensions: 4x5 + 2x2 m
- ✓ Capable of withstanding temperatures ranging from -30°C to + 70 ° C (-22 ° F to + 158 ° F)
- ✓ Inflation time: 5 minutes

INCLUDED

- ✓ Air Filtration System
- ✓ Deshumidifier
- ✓ Electric Blower (110 V or 220 V)
- ✓ Integral Groundsheet



A15MCR-01



COMPOSITE WORKSHOP

VACUUM MEMBRANE PRESS

Our membrane press has been designed for individual or medium production capacities. It is equipped with a vacuum pump and a highly elastic rubber membrane.

When there is vacuum build-up, manual control is possible through a vacuum ball valve and pressure gauge.

IDEAL FOR

- ✓ Composite compaction

MAIN FEATURES

- ✓ Press area: 1310 x 1310 mm
- ✓ Dimensions: 1470 x 1510 x 970 mm
- ✓ Weight: 165 kg
- ✓ Vacuum pump: 140 m³ / h
- ✓ Max. Pressure: 100 mbar
- ✓ Power supply: 220/400 V
- ✓ Max. power: 1.25 kW



A15VMPL-1313



COMPOSITE WORKSHOP

HORNET CLAYTON

Clayton Hornet is used for surface preparation with sanders and cutting tools to remove dust, carbon fiber, ceramic dust and glass fiber.



A9CLEANER-HORNET01

Lightweight, compact and extremely robust, this vacuum unit is designed for industrial and military use.

The filter change is done without contamination of the environment and in a safe way.

A wall bracket is also available and sold separately

MAIN FEATURES

- ✓ Corrosion-resistant, made of aluminium
- ✓ Vacuum cleaner and sander operate from a single supply line
- ✓ Automatic closing
- ✓ Pressure gauge measuring system
- ✓ ATEX certified for use in explosive dust and gas atmospheres
- ✓ 1 L recovery capacity
- ✓ HEPA filter
- ✓ Includes 1/2" compressed overhead line with 1/2" industrial connectors
- ✓ 77 dBA only
- ✓ Static conductive air hose with coating
- ✓ Tool check - Two-colour foam for FOD control / prevention
- ✓ Robust design - Packaged in a Pelicase case indestructible, lockable and with wheels.



A9CLEANER-HORNET02



COMPOSITE WORKSHOP

ROLLS RACKS

Aeroform offers rolls racks for consumables.

These racks facilitate manual or automatic cutting.

 **IDEAL FOR**

- ✓ Consumable storage and cutting



A15RR-01



A15MBR-1800

REFERENCE	Ø ext. roll	Roll width	Number of rolls	INFOS
A15RR-01	190 mm	1800 mm	7	Counter metreux included
A15MBR-1800 A15MBR-2000	300 mm 300 mm	1800 mm 2000 mm	8 8	Mechanical assistance included



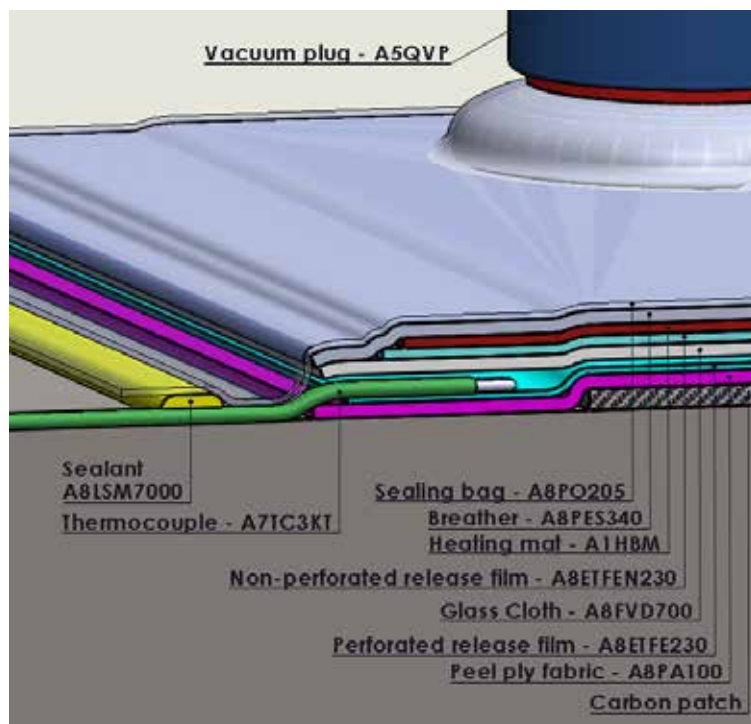
CONSUMABLES

AEROFORM Composites has tested and selected a range of consumables with its partner Diatex. These innovative products meet all types of needs (composite process and repair).








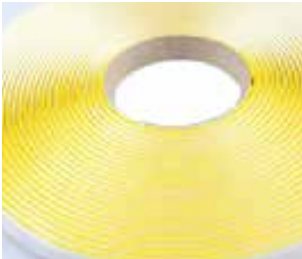
Aeroform in partnership with Diatex distributes a complete solution for composite process and repair. In addition to our equipment, we offer a wide range of consumables.

In order to better meet your needs, Aeroform provides you with kits with all the necessary consumables: vacuum bagging films, sealant tapes, breathers, peel plies etc.









CONSUMABLES

SEALANT TAPES

	REFERENCE				
	A8LSM5200	140°C	15 m	12 mm	2.5 mm
	A8LSM7000	210°C	12.5 m	12 mm	3 mm





BAGGING FILMS

	REFERENCE				
	A8PO180-50 bent in two	180°C	200 m	1m50	50μ Out of autoclave
	A8PO205-75	205°C	250 m	1m55	75μ autoclave
	A8PO205-50	205°C	100 m	80 cm	50μ out of autoclave

*Use: essential for all repairs of composite parts.
Additional format on request.*







CONSUMABLES

BREATHERS

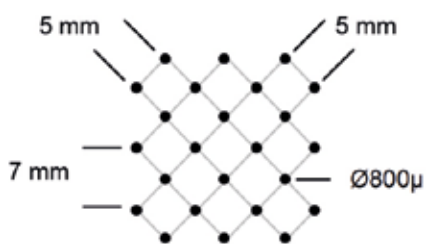
	REFERENCE				WEIGHT
	A8PES150	100 m	155 cm	Out of auoclave	150gr/m ²
	A8PES340	50 m	155 cm	7 bar	340gr/m ²

Use: essential for all repairs of composite parts.
Additional format on request.

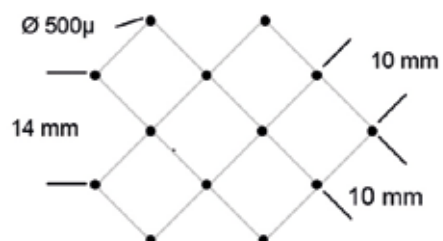
PERFORATED SEPARATOR FILM

	REFERENCE					PERFORATION
	A8ELA20-P3	125°C	200 m	1 m	25 μ	P3
	A8ELA20-P0	125°C	400 m	1m45	25 μ	P0
	A8ETFE230-P3	230°C	153 m	1.53 m	20 μ	P3
	A8A5000-P3	260°C	153 m	1.22 m	25 μ	P3

Perforation P0








Perforation P3








CONSUMABLES


GLASS TAPES

	REFERENCE					WEIGHT
	A8FVD700-300	700°C	100 m	300 mm	15 bar	220gr/m ²

NON-PERFORATED SEPARATOR FILM

	REFERENCE					PERFORATION
	A8ETFE230-NP	230°C	150 m	1.53 m	15 μ	Non perforé

PEEL PLIES

	REFERENCE					WEIGHT
	A8PA64	200°C	100 m	1.63 m	120 μ	64gr/m ²
	A8PA90	200°C	100 m	1.56 m	160 μ	90gr/m ²
	A8PA95	200°C	100 m	1.62 m	190 μ	104gr/m ²
	A8PA100	200°C	100 m	1.56 m	190 μ	107gr/m ²

CONSUMABLES

FLASH TAPES

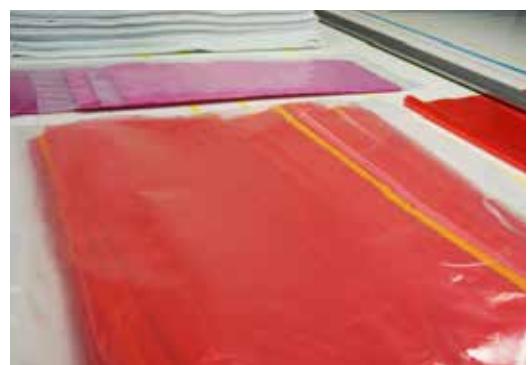
	REFERENCE				
	A8K0107-25	180°C	66 m	25 mm	60 μ
	A8K0107-50	180°C	66 m	50 mm	60 μ
	A8K7666-25	204°C	66 m	25 mm	63 μ
	A8K7666-25	204°C	66 m	50 mm	63 μ
	A8PTFE-25	260°C	33 m	25 mm	89 μ
	A8PTFE-50	260°C	33 m	50 mm	89 μ

CONSUMABLES KITTING

In order to better meet your needs, Aeroform provides you with arrangement of complete pouches with all basic equipment needed for repairs of composite parts: bagging films, separator films, sealant tapes, etc.

Easily transportable, pre-cut and ready to use, these pouches will save your time on site.

For any information, please do not hesitate to contact us.





SERVICES & TRAINING

In order to meet the requirements of its customers, Aeroform Composites offers quality services that guarantee a follow-up of all its equipment (autoclave, Hot Bonders).

We also offer composite repair certified trainings.

AUTOCLAVE, OVEN

PREVENTIVE & CURATIVE MAINTENANCE

The Aeroform maintenance team is qualified to carry out all types of maintenance on your autoclaves and ovens via our maintenance contract.

The Aeroform maintenance service is designed to keep contractual machines in safety conditions.

SERVICING

With your Aeroform maintenance contract, you can have emergency repairs within 48hours at a preferential tariff throughout the country.

CALIBRATION / THERMAL SURVEY

Aeroform works with qualified personnel to perform a calibration and/or "a control of homogeneity" on your autoclave.

TEN-YEAR RECLASSIFICATION

Aeroform has a team of technicians to carry out a ten-year and/or acoustical test of your equipment.



HOT BONDER

HOT BONDER RENTING

We provide you with our Hot Bonders to carry out your repairs or to check your repair process.

For more information, do not hesitate to contact us : +33 (00) 4 78 86 86 00



HOTLINE AEROFORM

Aeroform offers you a hotline service in order to provide remote technical support on all your repair equipment (Hot bonders, IR lamp, Hot Gun, Heating mats) and process equipment (Autoclaves, Ovens).



+33 (00) 4 78 86 86 00

AEROFORM MAINTENANCE & CALIBRATION

We offer a maintenance and calibration service on all our Hot Bonders and our infrared lamps.

Calibrating your repair equipment each year by our services guarantees you a quality follow-up.

You will receive a detailed calibration and maintenance report.

Here are the maintenance & calibration references according to your needs:

MODEL	REFERENCE
AHB380D	A10CALAHB380D
AHBSZ	A10CALAHBSZ
AHBEC	A10CALEC16
MODULE WIRELESS	A10CALAHBWM
IRPEV2 & IRPEV3	A10CALIRPE

COMPOSITES CERTIFIED TRAINING

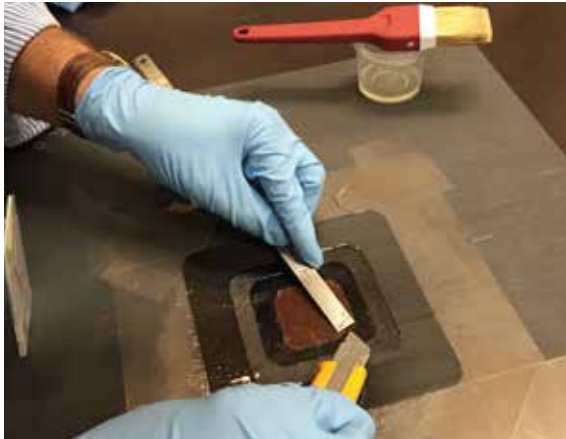
ACRATS
TRAINING SERVICES

flugundform

Aeroform offers certified training courses for the repair of composite parts. All our training courses are given in French and/or English, German by recognized professionals in the repair field.

We offer different levels of courses and training (basic or advanced) according to the standards in effect (SAE AIR 4938) with our partners part 145.

You will also have the opportunity to obtain a certificate at the end of the training.



COMPOSITES CERTIFIED TRAINING

STRUCTURAL REPAIR MANUAL, DAMAGE RECOGNITION, ASSESSMENT AND REPORTING

The course will give the participants the basic skills and confidence in how to use the Structural Repair Manual (SRM) to perform damage assessment, to select repair procedure, understand the repair method within the limits of the Structural Repair Manual (SRM).

PROCESSING, INSPECTION AND REPAIR LEVEL 1

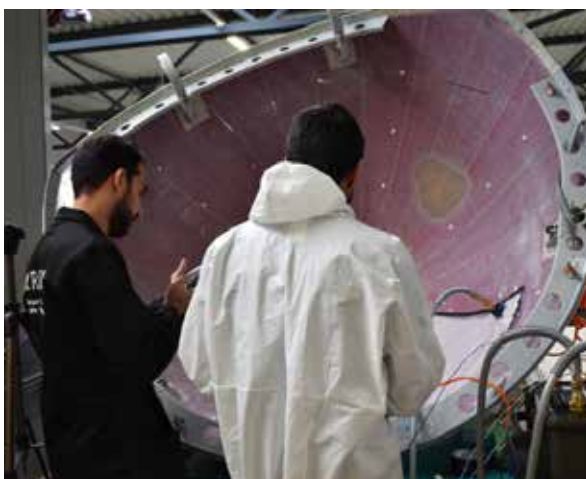
With this training, the (future) composite repair technician will have a solid base to manufacture composite and perform inspections and repairs.

PROCESSING, INSPECTION AND REPAIR LEVEL 2

This course teaches you practical knowledge in the field of component manufacture, inspection and repair.

PROCESSING, INSPECTION AND REPAIR LEVEL 3

After attending the level 1 and level 2 composite processing, inspection and repair training, you are ready to participate the level 3 structural repair training.



HELICOPTER STRUCTURAL REPAIR

This training will help you to develop your knowledge and skills in helicopter maintenance and also to reinforce your skills in the field of composites.

FIXED WING STRUCTURE REPAIR

After completion of this structure course the technician is able to understand the structural repair manual and perform inspections and repairs on the aircraft structure and components.

STRUCTURAL REPAIR MANUAL, DAMAGE RECOGNITION, ASSESSMENT AND REPORTING

The course includes repair case studies that require the student to determine part identification, allowable damage limits, and detail metallic and composites repair options.





AEROFORM
COMPOSITES

Aeronautics Curing Solutions

AUTOCLAVE - OVEN - HOT BONDER

INFRARED LAMP - HOT GUN

HEATING MAT- VACUUM PUMP

COMPOSITE TOOLS- CONSUMABLES

COMPOSITE WORKSHOP - TRAINING



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AEROFORM COMPOSITES

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Catalog V2