

ADVANCED COMPOSITE CURING SOLUTIONS

Engineered heating systems delivering accuracy and reliability for composite manufacturing and repair.



Composites Knowledge Base

Carbon fiber, glass fiber, even exotics like ceramic matrix ceramics are beginning to dominate the outer edge of materials applications in everything from aerospace applications to sporting goods, automotive components, and electronics.

BriskHeat is a leader in supplying products and technologies which support both production curing processes, as well as repair of identified wear and damage in composite components. Our specialized equipment is used for new product development, testing, and maintenance on a wide range of products with a variety of materials.

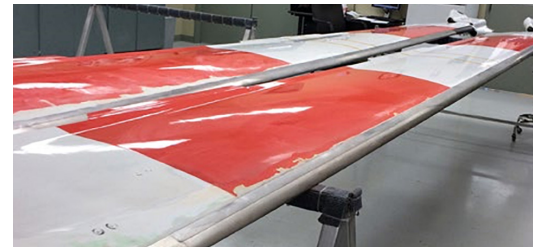
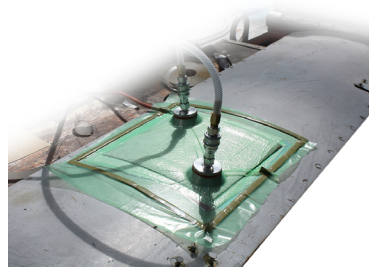
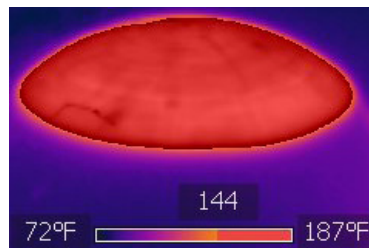
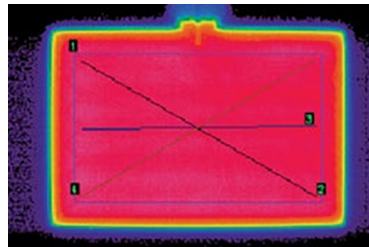
We can bring the process to you, with portable heating systems and tools, custom heating blankets, and technical support to meet your exact product specifications.

Diverse Industry Support

BriskHeat supports a broad range of highly sophisticated engineering, technological, and manufacturing environments.

- Aviation
- Energy
- Marine
- Military
- Racing
- Recreation

In many marketspaces we consult, develop custom solutions, and go on-site to assist with trouble shooting. Our technical staff actively works with our customers to address material and process issues.



Engineering and Technical Expertise

Our technology and equipment are designed to provide exacting data and performance. From temperature uniformity testing to infra-red non-destructive component testing, BriskHeat offers un-paralleled support and consulting for maintenance and repair, design and development, prototyping, and manufacturing quality assurance.



ACR® 4 Hot Bonder

For over 45 years, we've set the standard in hot bonder technology—and the new ACR® 4 Hot Bonder is our most advanced model yet. Built for precision, power, and portability, it handles debulking and curing of resins, prepregs, adhesives, and fibers with ease.

Available for 120 or 240 nominal voltage, with dual-zone heat control, and dual vacuum systems—including a built-in pump and venturis—the ACR® 4 adapts to most composite repair environments. Its larger HD touchscreen, cleaner thermocouple connections, and limitless recipe customization make operation faster and smarter.

Backed by decades of innovation, the ACR® 4 delivers unmatched precision, smarter operation, and reliable results—anywhere the job takes you.

Features & Benefits

- Dual Zone Operation: Run the same or different cures simultaneously
- 10.1 in full-color touchscreen: Intuitive design for seamless programming
- Flexible Cure Management: Pause, edit, graph, export, and reprint cure data anytime
- Removable Thermocouple Boxes: 10 durable Type-J inputs per zone
- Advanced Software Platform: Unlimited recipes, expanded customization, heater resistance testing, and multi-cure monitoring
- High-Speed On-Board Printer: Fast, quiet, with instant access to historical cure records
- Built-in Vacuum Systems: Electric vacuum pump and venturi for each zone

Kit Includes

The ACR® 4 Hot Bonder can be purchased as a kit, with or without composite curing blankets. (See blanket sizes included in kits below)

- ACR® 4 hot bonder unit
- (2) 10 ft (3 m) input power cords
- (2) 5 ft (1.5 m) heater output power cords
- (20) 6 ft (1.8 m) J-Type thermocouples
- (4) 10 ft (3 m) vacuum hoses
- (4) Vacuum bag feed-throughs
- (2) Extra printer paper rolls

Ordering Kits without Curing Blankets

Part No.	Number of Zones	Voltage Input	Power Plug NEMA Rating
ACR-4-D120KIT	2	120 VAC	L5-30P
ACR-4-D240KIT	2	240 VAC	L6-30P

Ordering Kits with Curing Blankets

Part No.	Number of Zones	Voltage Input	Power Plug NEMA Rating
ACR-4-DB120KIT	2	120 VAC	L5-30P
ACR-4-DB240KIT	2	240 VAC	L6-30P



Kits available with Curing Blankets

Blanket Sizes Included (Included in Ordering Kits with Curing Blankets)

- Two 10 in x 10 in (254 x 254 mm) SR composite curing blanket per zone
- Two 12 in x 12 in (305 x 305 mm) SR composite curing blanket per zone
- Two 16 in x 16 in (406 x 406 mm) SR composite curing blanket per zone

SR Composite Curing Blankets

Features & Benefits

- Flexible up to 1/4 in (6 mm) radii: Ideal for leading and trailing edges
- Quick and efficient, low stress producing heat up to 450°F (232°C)
- Use on horizontal and vertical surfaces and sharp radii surfaces without removing the damaged section
- Compatible with ACR® hot bonders and your current equipment

Rectangular

Width in (mm)	Length in (mm)	Total Watts
6 (152)	6 (152)	180
6 (152)	12 (305)	360
6 (152)	24 (610)	720
8 (203)	8 (203)	320
10 (254)	10 (254)	500
12 (305)	12 (305)	720
12 (305)	24 (610)	1440
16 (406)	16 (406)	1280
18 (457)	18 (457)	1620
24 (610)	24 (610)	2880

Round

Diameter in (mm)	Total Watts
6 (152)	140
8 (203)	250
10 (254)	395
12 (305)	565
14 (356)	770
16 (406)	1005

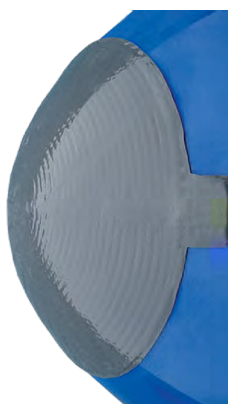
Most durable and flexible heating blankets for quick and efficient cures on unique shaped surfaces.



BHC Radome Heaters

Features & Benefits

- Ideal for wet layup and prepreg composite repairs of radomes
- Perfect three-dimensional fit around your radome
- Excellent heat uniformity
- Easy-to-vacuum bag
- We can design a heater specifically for your application and aircraft: Other sizes, shapes, watt-densities, power plugs, built-in thermocouples, and other options are available.



SRV Composite Curing Blankets

Features & Benefits

with Vacuum Seal

- Both a heater and a reusable vacuum bag
- Quick and efficient, low stress producing heat up to 450°F (232°C)
- Two-year warranty
- Compatible with ACR® hot bonders and your current equipment



Part No.	Aircraft	Number of Zones	Total Watts
BHC162012C	Boeing 707, 727, 737	2	Zone 1: 1750 Zone 2: 1795
BHC162013C	Boeing 747	1	Zone 1: 3380
BHC162007C	Boeing 757	2	Zone 1: 1515 Zone 2: 1515
BHC162009C	Boeing 767	2	Zone 1: 1630 Zone 2: 1744
BHC162011C	Boeing 777	N/A	N/A
BHC162014C	Airbus A300, A310, A330	2	Zone 1: 1513 Zone 2: 1638
BHC162010G	Airbus A318, A319, A320, A321	2	Zone 1: 1630 Zone 2: 1744

Heated Area		Blanket Size		Total Watts
Width in (mm)	Length in (mm)	Width in (mm)	Length in (mm)	
6 (152)	6 (152)	9 (229)	12 (305)	180
6 (152)	12 (305)	9 (229)	18 (457)	360
6 (152)	24 (610)	9 (229)	30 (762)	720
8 (203)	8 (203)	11 (279)	14 (356)	320
10 (254)	10 (254)	13 (330)	16 (406)	500
12 (305)	12 (305)	15 (381)	18 (457)	720
12 (305)	24 (610)	15 (381)	30 (762)	1440
16 (406)	16 (406)	19 (483)	22 (559)	1280
18 (457)	18 (457)	21 (533)	24 (610)	1620
24 (610)	24 (610)	27 (686)	30 (762)	2880

Heated Area	Blanket Size	Total Watts
Diameter in (mm)	Diameter in (mm)	
6 (152)	12 (305)	140
8 (203)	14 (356)	250
10 (254)	16 (406)	395
12 (305)	18 (457)	565
16 (406)	22 (559)	1005
20 (508)	26 (660)	1570
24 (610)	30 (762)	2270

FGH & SXH High-Temperature Composite Curing Blankets

Features & Benefits

- Designed for use with the newer high-temperature thermoplastic and polyimide composite materials
- Highly flexible up to a 1 in (25 mm) radius
- Compatible with ACR® hot bonders and your current equipment

FGH Series 800°F (525°C)

Width in (mm)	Length in (mm)	Total Watts
6 (152)	6 (152)	255
6 (152)	12 (305)	504
6 (152)	24 (610)	1008
8 (203)	8 (203)	448
10 (254)	10 (254)	700
12 (305)	12 (305)	1008
12 (305)	24 (610)	2016
16 (406)	16 (406)	1792
18 (457)	18 (457)	2268
24 (610)	24 (610)	4032*

SXH Series 1100°F (593°C)

Width in (mm)	Length in (mm)	Total Watts
6 (152)	6 (152)	468
6 (152)	6 (152)	936
6 (152)	6 (152)	1872
8 (203)	8 (203)	832
10 (254)	10 (254)	1300
12 (305)	12 (305)	1872
12 (305)	12 (305)	3744*
16 (406)	16 (406)	3328
18 (457)	18 (457)	4212*

* Not available in 120 VAC due to high amperage requirements



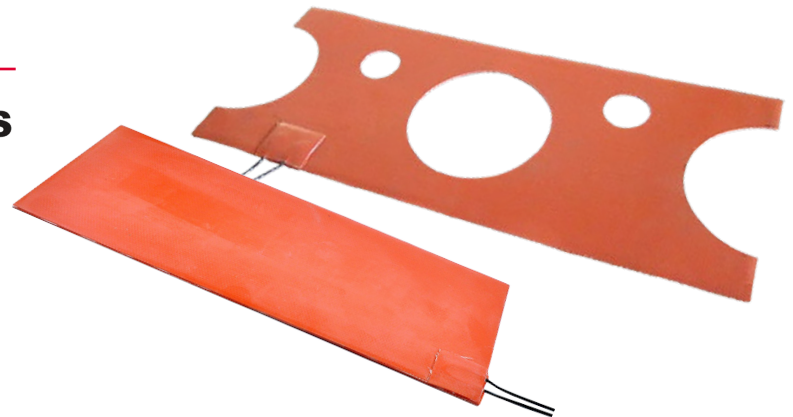
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SRW Standard-Duty Silicone Rubber Heating Blankets

Features & Benefits

- Economical solution
- Thin low-profile design
- Good flexibility
- Suitable for a large range of surfaces like tanks, hoppers, conveyers, silos, vessels, etc.
- Moisture, chemical, and radiation resistant
- Heating element laminated between two layers of fiberglass-reinforced silicone rubber



Custom Silicone Blankets To Fit Your Application

Custom Options

- Cutouts
- Holes
- Notches
- Unique shapes and sizes
- Lead exit locations
- Built-in thermocouples



For assistance with Custom Blankets contact us at info@briskheat.com

VT Vacuum Curing/Debulking Table

Composite vacuum curing and debulking tables from BriskHeat offer a convenient, single-setup out-of-autoclave solution for curing and debulking composite parts. These tables increase production and maximize revenue by eliminating the need for vacuum bagging and autoclave processing. They can be a cost-effect replacement for heated press molding at a fraction of the cost. Whether you're processing composite parts, curing adhesives or making repairs, our custom vacuum curing & debulking tables can help you get the job done right.

Features & Benefits

- Heat and vacuum in one easy step for curing and debulking composite parts
- Simple on/off single temperature heating, or ramp/soak programming
- Save time and money
- Durable heating elements and integrated vacuum system
- Reusable vacuum bag with 800% elongation in standard retractable lid
- Cure temperatures up to 400°F (204°C)

Specifications

Voltage Options (all 3-phase): 208, 240, 277, 380, 480 VAC

Table Options

- >> Customized watt density
- >> Without lid (requires manual bagging with film)
- >> Data-logger with multichannel monitoring system and communications port
- >> Top Heating Blanket (in addition to table heat)



VT10000 Series

Part No.	Table Sizes: Overall Dimensions	Usable Dimensions
VT4000	60 in x 66 in (1.5 m x 1.7 m)	52 in x 56 in (1.3 m x 1.4 m)
VT8000	60 in x 132 in (1.5 m x 3.4 m)	52 in x 124 in (1.3 m x 3.1 m)
VT10000	72 in x 144 in (1.8 m x 3.7 m)	66 in x 138 in (1.5 m x 3.5 m)



NDT Aircraft Infrared Non-Destructive Testing Kits

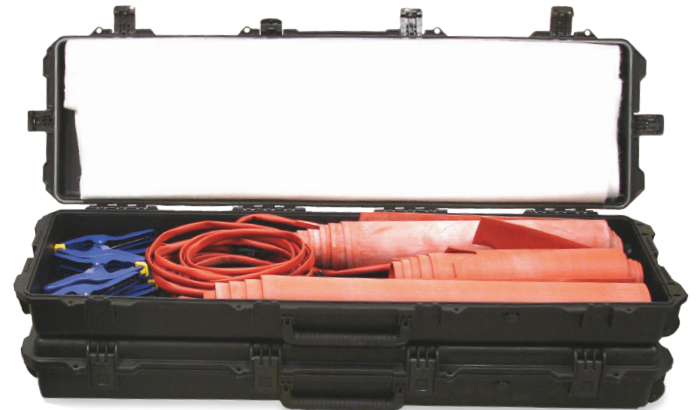
The Easy and Portable Way to Perform Moisture Intrusion Testing on Elevators and Other Aircraft Components

As specified in Airbus NDT 55-20-07, 55-20-08, 55-20-11 Manuals

- >> A300-600 Aircraft
- >> A310/A318/A319/A320/A321 Aircraft
- >> A330/A331/A340 Aircraft

Kit Includes

- Heater blankets designed for your aircraft part
- Easy-to-use preprogrammed temperature controller. Full-color touchscreen. No programming necessary
- Accessories: Clamps, insulation material, power cords, and thermocouples



If your aircraft is not listed? We can design and build a kit to meet your specific needs.

Heating Blankets

Part No.	Description
300BLANKETKIT	Airbus A300 Elevator Heating Blanket Kit (Kit A)
320BLANKETKIT	Airbus A320 Elevator Heating Blanket Kit (Kit A)
340BLANKETKIT	Airbus A340 Elevator Heating Blanket Kit (Kit A)

Temperature Controller

Part No.	Description
NDTCONTROLLER	Temperature Controller (Kit B) in Airbus NDT Manual 55-20-07, 55-20-08, 55-20-11

For assistance with Custom Kits contact Us at: info@briskheat.com

BRISKAIR Hot Air Gun

Features & Benefits

- Ideal for small spot cures such as click studs
- Includes hot air gun and temperature control
- Portable, lightweight, and self-contained
- 8-segment ramp/soak control
- High-limit temperature protection



Part No.	Description
BRISKAIRSP-1	Hot Air Gun Curing System

Hot Air Gun Curing System includes:

- >> One Hot Air Gun
- >> One TTQSD-S16 Temperature Controller (with two sensor inputs)
- >> One 20 ft (6 m) Type-J Thermocouple
- >> One 10 ft (3 m) Hot Air Gun
- >> Heater Output Cord
- >> One Hot Air Gun Stand
- >> One Storage/Carrying Case

TT Composite Curing Controller

Features & Benefits

Portable Tabletop

- Provides basic temperature control for composite curing applications
- Portable, lightweight, and self-contained
- 8-segment ramp/soak control
- Universal voltage option and high-amperage capability up to 30 amps



Temperature Controller Kit

Part No.	Description
TT30D-S16	TT Tabletop Temperature Controller Kit, Universal Voltage

Tabletop Controller Kit includes:

- >> One TT Tabletop Controller Unit
- >> One 20 ft (6 m) Type-J Thermocouple (TTQSD-S16 includes two)
- >> One 10 ft (3 m) heater output cord

Applications

- Aircraft panel repair
- Composite panel manufacturing
- Curing of silicone heaters
- Debulking hybrid composite materials
- Composite Curing construction materials
- Sporting goods manufacturing
- Wind turbine repair
- Curing of adhesives for joining material layers
- Aircraft radome repair
- Composite part manufacturing
- Curing phenolic resins
- Fiberglass marine repairs
- Fiberglass automobile repair
- Material R&D



Repair Centers

BriskHeat

World Headquarters
Columbus, Ohio
800-848-7673

BriskHeat China

Shenzhen
+85 755 2519-2767

AeroNed B.V.

Rotterdam, Netherlands
+31 10 521 3776

AeroNed Asia Ltd.

Chiang Mai, Thailand
+699-1776-8824

Global Offices

Vietnam (Mfg Only)

Long Binh Ward Bien Hoa
Dong Nai Province, Vietnam

Costa Rica (Mfg Only)

Alajuela City
San Antonio de Alajuela
Province, Costa Rica

China

Shenzhen
+86 755 2519-2767

Mianyang/Wuhan/Xiamen
+86 177-2253-9196

Taiwan

Hsinchu
+886 3 667-6778

France

+49 152 57054916

Germany

+49 151 21666127

WE CAN HELP YOU ANY TIME, ANYWHERE

BriskHeat Account Executives serve as a resource for corporate partners, local distributors, manufacturers' representatives, and end users. With distributors and representatives located across North and South America, Asia, Europe, and Australia, local support is readily available to provide the right solution for your heating needs.



*Scan the QR code
to find a distributor
or rep near you!*

4800 Hilton Corporate Drive
Columbus, OH 43232

888-412-0122

info@briskheat.com

PN: 11745-46 RevC

BriskHeat®

For more info, visit briskheat.com