

# HOT BONDER

# HCS8800 MICRO BONDER

Bonders provided by HEATCON® Composite Systems are used to control localized heat sources for a wide variety of manufacturing and repair applications which require the curing of prepregs, resins or adhesives.

The HCS 8800 Micro Bonder is especially well-suited for use in remote repair environments which require portability and light weight.



FEATURES
LCD Graphic Display
Audible Alarm
Type J Thermocouples
4 Key Operator Interface
USB Data Connection
Integrated Circuit Breaker and Power Switch
Vacuum Monitoring Capability

Maximum Repair Area (sq. in.)		
HEATER Watts per sq. in.	120V	240V
1	1920	3840
2	960	1920
3	640	1280
4	480	960
5	384	768

*Innovating Solutions for the  
Advancement of Composite  
Repair Technology*



Scan for Latest Catalog and Company Information

Specifications
<b>Operating Voltage:</b> 120 or 240V, single phase
<b>Current (Amps) Maximum Load:</b> 16 Amps
<b>Operating Environmental Limitations:</b> <ul style="list-style-type: none"> <li>Temperature: 0 - 115° F (-18° - 46° C)</li> <li>Relative Humidity: 0 - 99%</li> </ul>
<b>Cure Temperature Range:</b> 0 - 500° F (-18° - 260° C)
<b>Control Parameters:</b> <ul style="list-style-type: none"> <li>Internal Control System Resolution: 0.5° F (0.28° C)</li> <li>Display Resolution: 1.0° F (0.55° C)</li> <li>Program Resolution: 1.0° F (0.55° C)</li> <li>Temperature Accuracy: +/- 1° F (0.55° C)</li> </ul>
<b>Control Methods:</b> <ul style="list-style-type: none"> <li>Hottest TC</li> <li>Coolest TC</li> <li>TC Average</li> </ul>
<b>Vacuum Monitoring Capability:</b> 0 - 30 Hg
<b>Temperature Feedback:</b> 4 Type J Thermocouples
<b>Operation Interface:</b> <ul style="list-style-type: none"> <li>4 Push Buttons with Menu Selected/Real Language Screens on a Dark and Sunlight Readable 2.8 in. (71.1mm) Liquid Crystal Display (LCD)</li> </ul>
<b>Power Failure/Recovery:</b> <ul style="list-style-type: none"> <li>Power Recovery within 2 minutes of power loss results in continued program operation</li> </ul>
<b>Alarm Volume:</b> 77 dB (Adjustable)
<b>Programs Stored to Memory:</b> 8 Separate programs – either downloaded via USB, or operator-entered
<b>Printer Station Compatible:</b> HCS2070-01
<b>Cure Data Download:</b> USB Uploadable to HEATCON® Composite Systems DCAS Software
<b>Dimensions and Weight Control Unit:</b> <ul style="list-style-type: none"> <li>10 in. x 6.5 in. x 2.5 in. (254mm x 165.1mm x 63.5mm)</li> <li>4.1 lbs (1.9kg)</li> </ul>



The Data Capture and Analysis Software (HCS-DCAS) is a visual graphical program used for cure evaluation and to create / store a history of cure records for maintenance repair organizations.

Standard Package Configuration:
Four, J-type, 10 ft. (304.8cm) Thermocouples, with standard connectors
One Input Power Cable, 10 ft. (304.8cm) length (choose below) <ul style="list-style-type: none"> <li>EU color code (CE) with flying leads to allow the customer to add the appropriate plug</li> <li>US color-code, with 15-amp NEMA 5-15 plug to allow out-of-the-box operation</li> <li>US color-code, with flying leads to allow the customer to add the appropriate plug</li> </ul>
One 5 ft. (152.4cm) CE Compliant Output Cable
One 10 in. x 10 in. (254mm x 254mm) Heat Blanket, CE configuration with 5 ft. (152.4cm) leads with connector for connection to the output cable. 120V or 220V
One 12 in. x 12 in. (304.8mm x 304.8mm) Heat Blanket, CE configuration with 5 ft. (152.4cm) leads with connector for connection to the output cable. 120V or 220V
One Vacuum Monitor Hose, 10 ft. (304.8cm) length, with Through-bag Vacuum Sniffer (port)
One Venturi Vacuum Pump, mounted on a Through-bag Vacuum Sniffer Port for direct connection to an air supply
One USB flash memory stick, with HCS Data Capture and Analysis software package.
One Carrying Case
Package Options:
If CE certification is not required, the Output Power Cable and Heat blankets can be selected from choices below:
120 Voltage Option:
One Output Power Cable, 5 ft. (152.4cm) length, MS Bonder connector on one end and a single 120V NEMA L5-15 Twist-lock cord receptacle on the other end
One 10 in. x 10 in. (254mm x 254mm) Heat Blanket, 5 ft. (152.4cm) leads, 120V, with NEMA L5-15 plug
One 12 in. x 12 in. (304.8mm x 304.8mm) Heat Blanket, 5 ft. (152.4cm) leads, 120V, with NEMA L5-15 plug
220 Voltage Option:
One Output Power Cable, 5 ft. (152.4cm) length, MS Bonder connector on one end and a single 220V NEMA L6-15 Twist-lock cord receptacle on the other end
One 10 in. x 10 in. (254mm x 254mm) Heat Blanket, 5 ft. (152.4cm) leads, 220V, with NEMA L6-15 plug
One 12 in. x 12 in. (304.8mm x 304.8mm) Heat Blanket, 5 ft. (152.4cm) leads, 220V, with NEMA L6-15 plug
<i>* Straight-blade configurations available by special order only</i>