

**HOT BONDERS**

# COMPOSITE REPAIR SYSTEMS

*Inductive Heating Technology*



Model: HCS9400-02  
Smart Susceptor™

Thermal uniformity is critical in composite curing to achieve designed material properties.

For unique and complex applications, the HCS9400-02 Smart Susceptor™ technology addresses this challenging issue and represents a revolutionary concept in composite curing through the use of inductive heating.

The system performs an active role in heat distribution by reducing heat to areas at the process temperature while continuing to heat cooler areas. This process improves thermal uniformity to enable the composite materials to properly cure.

**REVOLUTIONARY  
CONCEPT IN  
COMPOSITE CURING**



<b>HCS9400-02*</b>
<i>Weight</i> - 43 lbs (19.5kg)
<i>Dimensions</i> - 22in x 18in x 11in (56cm x 46cm x 28in)



- Accessories Included:**
- Input Cable
  - Output Susceptor Cable
  - Thermocouples
  - Vacuum Hose
  - Air Filter
  - USB Drive with Data Capture Analysis Software
  - Printer Ribbon
  - Printer Paper
- SPECIFIC ACCESSORIES ARE DESCRIBED BY QUOTATION*

\*The HCS9400-02 system requires special heat blankets. Susceptor heat blankets must be ordered separately. Please ask your sales representative for more information.



Smart Susceptor Heat Blanket connected to HCS9400-02 Smart Susceptor Hot Bonder in preparation for a composite repair.

<b>FEATURES:</b>
Sunlight Readable LCD Display: 5.25in x 6.75in (13.3cm x 17.1cm)
Input: 230 VAC $\pm$ 10%, 15 Amps
Output power capacity: 2,000 Watts
Control Parameters: <ul style="list-style-type: none"> <li>• Temperature Accuracy: <math>\pm</math>1° F (0.55° C)</li> <li>• Vacuum Resolution: 1 inHg</li> <li>• Vacuum Accuracy: <math>\pm</math>1 inHg</li> </ul>
Vacuum Monitoring Capability: 30 Hg
Control Methods: <ul style="list-style-type: none"> <li>• Hottest Thermocouple</li> <li>• Coolest Thermocouple</li> <li>• Thermocouple Average</li> <li>• Thermocouple No. 1</li> <li>• Thermocouple No. 2</li> </ul>
Control/Monitor Toggle for Individual Thermocouples
Up to Eight (8) Ramps and Dwells per Program
Program Storage Capacity: 30 separate operator-entered programs
Over 500 hours of Cure Information (12 Cure Records) Stored for Data Export and Printing
Power Failure Auto Recovery: <ul style="list-style-type: none"> <li>• Default power recovery within 2 minutes of power loss results in continued program operation</li> <li>• Programmable 1-15 Minute Auto-Recovery with Continued Program Operation</li> </ul>
Cure Data Download: USB port for data export
Dynamic Alarm / Control Integration
Alarm Volume: 90dB, Adjustable Volume
Text Entry System with Alphanumeric Keypad
Selectable Metric or English Units

- Additional Options:**
- Software security lock with password access
  - Software modifications for special applications
  - Multiple ramp / soak capabilities
  - Special hot bonder/cure process training



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