

HCS4100



Rapid Cure System (RCS)[™]

Portable quick curing system for multi-zone local area adhesive bonding

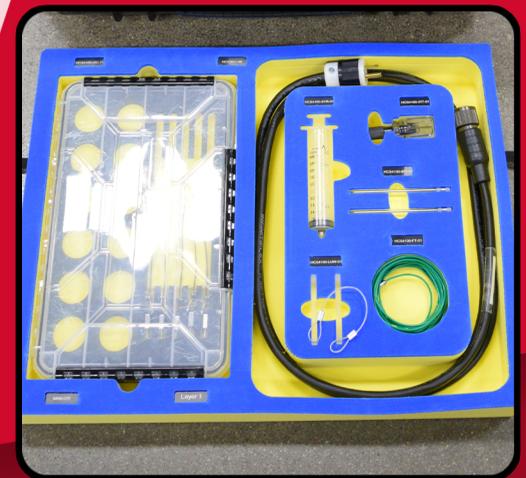




The Rapid Cure System (RCS)[™]

A quick, portable curing system developed with support from Kineticure, LLC and Cornerstone Research Group, Inc. (CRG). The patented Rapid Cure System (RCS)[™] utilizes safe, localized heating methods to accelerate the cure of adhesive bonds, particularly in fastening applications (e.g. nutplates).

The Rapid Cure System's multiple, independent control zones permit a single user to perform several installation operations concurrently, increasing efficiency and reducing costs.



RCS Accessories

KEY FEATURES

- Ruggedized enclosure with built-in handles and wheels
- Built in data logging and optional USB port for data transfer
- Tiered Operating Menu for multiple user categories
- Cascade control scheme improves heater response and safety
- Independent "limit" circuit prevents heater over-temperature
- Optional auto-updating cure feature reduces operator burden
- Touchscreen user interface
- Programmable alarms
- 10 Independent heating control zones
- Built in safety features

TECHNICAL SPECIFICATIONS

Power: (Voltage)	110 – 120 Volts AC, 47 – 63 Hz
Current: (Amperage)	Current Input: 15 Amps Current Output: 0.5 Amps (per zone) Short-Circuit Current Rating (SCCR): 2kA
Control Parameters:	
Internal System Control Resolution:	0.1 °F
Display Resolution:	0.1 °F
Program Resolution:	0.1 °F
Temperature Accuracy:	±2 °F
Control Methods:	Cascade PID Control using Part Thermocouple Average
Dimensions & Weight:	HCS4100-01 Controller: 26.4 in (67.0 cm) x 20.1 in (51.0 cm) x 14.6 in (37.4 cm); 62 lb (28 kg) HCS4100-ACC-01 Cure Kit: 26.4 in (67.0 cm) x 20.1 in (51.0 cm) x 14.6 in (37.4 cm); 52 lb (23.6 kg)

This product is protected by one or more of the following Patents: US 10,899,083, 10,385,905. Other patents pending.

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