



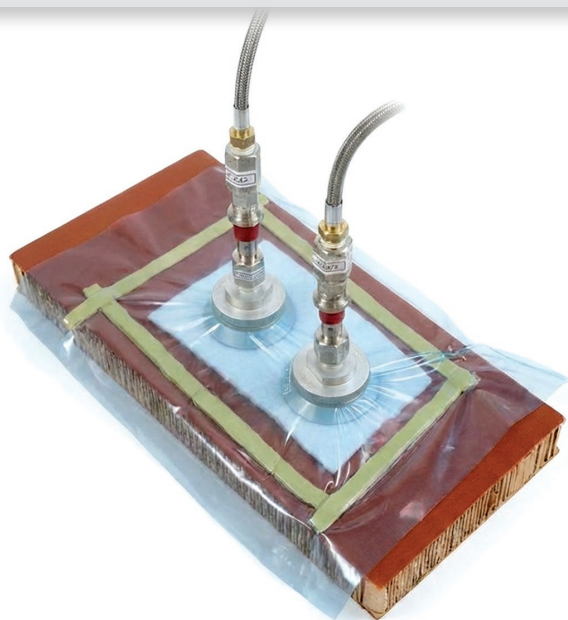
OMEGA Hot Bonder KIT

OMT-1.0 Hot Bonder KIT

The **OMEGA OMT-1.0 Hot Bonder KIT** is the world's most complete, all-in-one equipment to debulk and cure resins, prepregs, adhesives, fibers, and more.

This equipment controls the temperature and vacuum for on-the-spot composite and metal bond repairs/cures. These system are portable and self-contained.

Includes Everything You Need: Input and Heater Power Cords, Vacuum Hose, Vacuum Bag Feed-Throughs, Thermocouples, Silicone Heating Blankets.



www.hotbonder.ru



- Full-Color HD **Touch-Screen** Interface
- **Dual Vacuum System:** Built-in Electric Pump and Vacuum Venturi
- **Single or Dual Zone**

OMEGA OMT-1.0 Hot Bonder KIT provides all the necessary conditions for repairing honeycomb and monolithic aircraft, helicopter and UAV structures by a repair patch using hot bonding.

- **MAINTAINS THE REQUIRED TEMPERATURE** for a specified period of time to fasten the curing of the adhesive.
- **PROVIDES THE NECESSARY VACUUM** to maintain the required pressure for molding the repair patch.
- **ON-LINE MONITORING** the repair process by touch screen with easy-to-use interface.
- **DIGITAL DATA LOGGER** records real-time status of cure including program parameters.

The **OMEGA OMT-1.0 Hot Bonder KIT** - **mobile workshop** for aircraft composite repair

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DEVICE TYPE:

- Omega OMT-1.0-1-VE - single zone;
- Omega OMT-1.0-2-VE - dual zone.

POWER SUPPLY: 230V/50-60Hz, max 30A.

CASE/DIMENSIONS:

- OMT-1.0 Hot Bonder - Peli Case, 561x455x265 mm;
- KIT Case - Peli Case, 499x393x191 mm.

WATERPROOF:

- Peli Case made of HPX® polymer.

TRANSPORTATION:

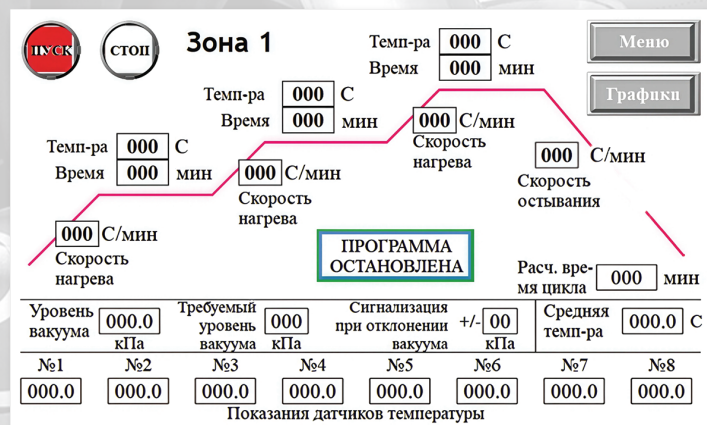
- Two wheels and retractable handle.

HEATING TEMPERATURE CONTROLLER:

- Full-color touchscreen display with an easy-to-use interface;
- Controls ramp rate, soak, and cooling;
- Displays the current running program profile: Fixed, Single, Dual, Triple or Monitor;
- Select the temperature measurement source. The source can be Average, Lowest, Highest or any specific thermocouple;
- Max. heating temperature up to 260°C (accuracy $\pm 1.7^\circ\text{C}$);
- Connects up to 8 K-type thermocouples for each work zone;
- USB port for data transfer;
- Transfer and archive post cure data history to your PC.

VACUUM:

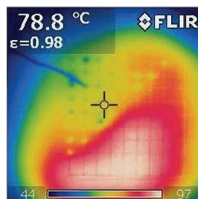
- Dual Vacuum System: Built-in Electric Pump and Vacuum Venturi;
- Vacuum pressure -0.097 MPaG;
- Flow:
 - 5.7 scfm (Vacuum Venturi);
 - 0.9 scfm (Electric Vacuum Pump).
- Ability to manually adjust pressure for each zone.



Omega Engineering LLC offers a complete line of composite curing solutions



Curing Heating Blanket.



Non-destructive testing (NDT) of moisture in aircraft honeycomb structures.



Omega Vacuum Table for the produce of composite aircraft structures.
Omega Vacuum Molding Systems.



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