

3901 S Fife Street, Suite 100 - Tacoma, WA 98409 - www.bioclearmatrix.com

Bioclear HeatSync Composite Heater

INSTRUCTIONS FOR USE: Please read completely before operating unit

1. Intended Use:

- The HeatSync Composite Warming unit is designed to heat regular (paste) and flowable composite materials, to 155°F (68°C). Bulk fill composites can be warmed with the HeatSync.
- The Compule Oven can warm compules, porcelain veneers and onlays.

2. Precautions:

- Read these instructions carefully before use.
- Do not drop the unit.
- The HeatSync Composite Heater may be hot to touch.

Caution should be used to avoid touching the metallic surfaces on the unit

3. Heat Sync Setup:

- After unpacking the HeatSync, check that all components and accessories are included: (1) Composite Warmer Unit (top and base), (2) Power cord and converter, (3) Composite Syringes
- Connect power cord into the power converter making sure that it is correctly connected.
- Plug power cord into the back of the base of the HeatSync.
- Turn system on by switching the ON/OFF switch on the front of the Composite Warmer base to the "On" position. The POWER ON LED will illuminate when the unit is on.
- The HeatSync requires a minimum of 15 minutes warm up period prior to inserting loaded composite syringes. ***If the unit is not planned to be used within an hour it is recommended that the unit be turned off.***
- The Heating LED will illuminate while it is heating.

4. Daily Usage:

1. Insert compule into the two composite syringes.
2. Insert the composite syringes into the open slots in the front of the HeatSync unit and up to two flowable syringes in the smaller back open slots.
Up to 6 compules may also be stored into compule oven on top of the unit.
3. Heat compules in composite syringe for 10 minutes prior to completing the restoration.

5. HeatSync Maintenance and Disinfection:

- The entire top section of the unit (NOT including the Rubber Band) is autoclavable and can also be wiped with a disinfecting cloth.

HeatSync top recommended steam autoclave settings:

Temperature	Pressure	Time
121°C	1.1 kg/cm ²	15 minutes
134°C	2.1 kg/cm ²	3 minutes

- It is recommended to disinfect the unit between uses.

- 5. HeatSync Maintenance and Disinfection (Cont.):**
- DO NOT attempt to autoclave the “Base Warming Unit.”
 - Align the “dot” mark at rubber band with the mark at “Base Warming Unit” as shown Fig. 2.

6. System Components

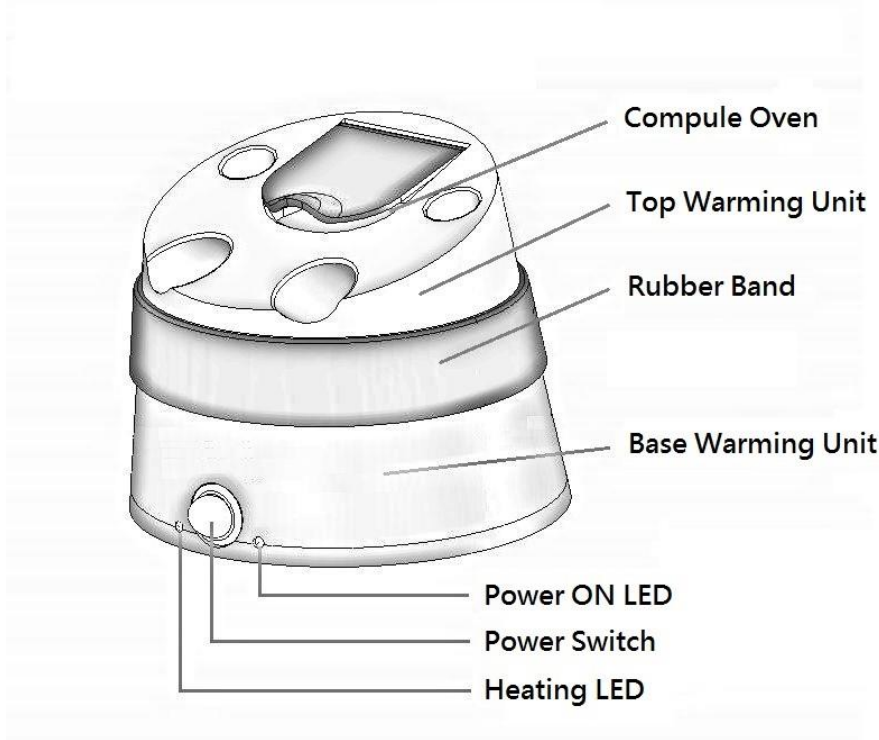


Fig. 1 System Components

7. Alignment of Rubber Band

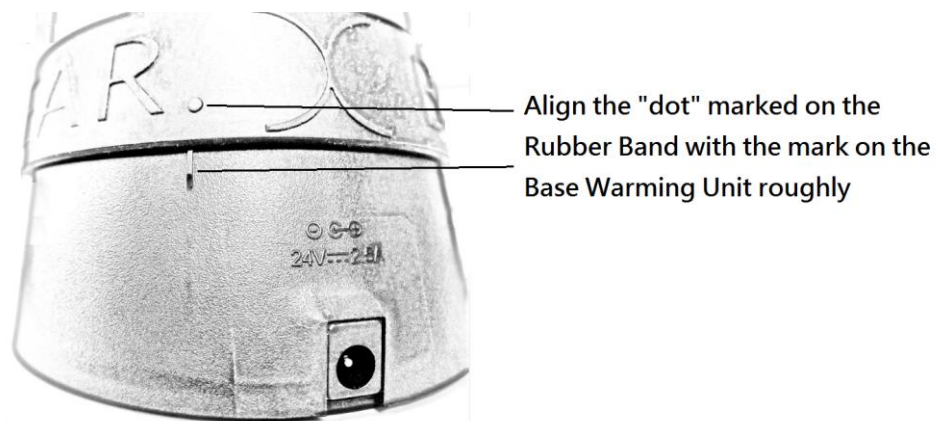


Fig. 2 Alignment of Rubber Band

Because the Composite Warming Unit is not a symmetric cone, the “dot” marked on the Rubber Band should be aligned with the mark on the Base Warming Unit (roughly) to ensure a correct fit.

8. Technical Specification

8.1 Electric Voltage :

Power Input Voltage : 100V~240V unit.

100-240 V AC 50/60Hz 1.0A (MAX)
Wattage Consumption MAX. 60W

8.2 Dimension :

Height : 9.5 CM
Width : 11.5 CM
Depth : 11.5 CM
Weight : 1.2 KG










8.3 Operation Environment :

Ambient Temperature : +10°C ~ +40°C
Relative Humidity : 30%~75%
Atmospheric Pressure : 700 hPa~1060 hPa

8.4 Transportation And Storage Environment :

Ambient Temperature : -10°C~+70°C
Relative Humidity : 10%~90%
Atmospheric Pressure : 500 hPa~1060 hPa

9. Glossary of Symbols

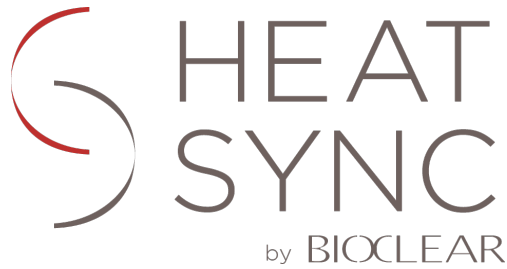
	Attention, Consult accompanying Documents
	Alternating Current
	Power off
	Power on
	Manufacturer
	Date of manufacture
	Catalogue number
	The equipment complies with the requirements in the Medical Device Directive 93/42 EEC.
	Icon to identify electric and electronic devices. The unit must be collected and disposed of separately.

10. Package Content

Heater Main Unit	X 1 PCS
Power cord	X 1 PCS
Power Adaptor	X 1 PCS

11. Safety Warnings

- Before operating the unit, please follow and adhere to all warnings, safety and operating instructions located on the product and in this User Manual.
- Use only as specified by these operating instructions or the intrinsic protection provided by the unit may be impaired.
- Do not expose the product to water or moisture while energised.
- Do not allow moisture to penetrate openings in the case. If this occurs allow the unit to dry out unpowered before switching on again
- Do not expose the product to extreme hot or cold temperatures.
- Do not expose the product to open flames.
- Do not allow objects to fall on or liquids to spill on the product.
- Do not replace detachable mains supply cords by inadequately rated cords.
- If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.



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Bioclear HeatSync-Mini Composite Heater

INSTRUCTIONS FOR USE: Please read completely before operating unit

1. Intended Use:

- The HeatSync-Mini Composite Warming unit is designed to heat composite materials, to 155°F (68°C). **For best results, use a composite that has been specifically formulated for heating and gone through testing for both safety and performance when heated and cooled many times prior to dispensing.**
- The Compule Oven can warm compules, porcelain veneers, and onlays.

2. Precautions:

- Read these instructions carefully before use.
- Do not drop the unit.
- The HeatSync-Mini Composite Heater may be hot to touch.

Caution should be used to avoid touching the metallic surfaces on the unit

3. HeatSync-Mini Setup:

- After unpacking the HeatSync-Mini, check that all components and accessories are included: (1) Composite Warmer Unit (top and base), (2) Power cord and converter
- Connect power cord into the power converter making sure that it is correctly and firmly connected.
- Plug power cord into the back of the base of the HeatSync-Mini making sure it is completely seated.
- Turn system on by switching the ON/OFF switch on the front of the Composite Warmer base to the "On" position. The POWER ON LED will illuminate when the unit is on.
- The HeatSync-Mini requires a 15 minute warm up period prior to inserting loaded composite syringes. **If the unit is not to be used within an hour, it is recommended that the unit be turned off.**
- The Heating LED will illuminate while it is heating.

4. Daily Usage:

1. Insert compule into the composite syringe.
2. Insert composite and flowable syringes into the open slots in the HeatSync-Mini unit.
The compule oven in front of the unit will also heat any extra composite compules placed inside.
3. Heat compules in composite syringe for 10 minutes prior to completing the restoration.

5. HeatSync-Mini Maintenance and Disinfection:

- The entire top section of the unit (NOT including the Rubber Band) is autoclavable and can also be wiped with a disinfecting cloth.
- It is recommended to disinfect the unit between uses.
- DO NOT attempt to autoclave the "Base Warming Unit."
- Align the "X" mark at rubber band at front side of "Base Warming Unit" as shown Fig. 1.

6. System Components

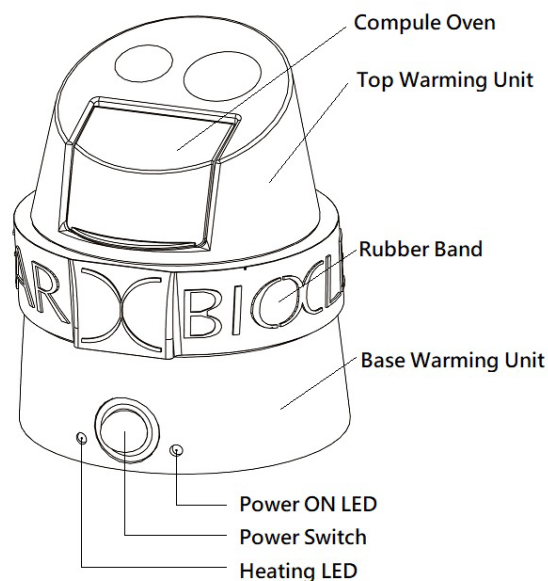


Fig. 1 System Components

7. Technical Specification

7.1 Electric Voltage :

Power Input Voltage : 100V~240V unit.

100-240 V AC 50/60Hz 1.0A (MAX)
Wattage Consumption MAX. 60W

7.2 Dimension :

Height : 10.2 CM
Width : 8.2 CM
Depth : 8.2 CM
Weight : 0.7 KG










7.3 Operation Environment :

Ambient Temperature : +10°C □ +40°C
Relative Humidity : 30% □ 75%
Atmospheric Pressure : 700 hPa □ 1060 hPa

7.4 Transportation And Storage Environment:

Ambient Temperature : □ 10°C □ +70°C
Relative Humidity : 10% □ 90%
Atmospheric Pressure : 500 hPa □ 1060 hPa

8. Glossary of Symbols

	Attention, Consult Accompanying Documents
	Alternating Current
	Power Off
	Power On
	Manufacturer
	Date of Manufacture
	Catalogue Number
	The equipment complies with the requirements in the Medical Device Directive 93/42 EEC.
	Icon to identify electric and electronic devices. The unit must be collected and disposed of separately.

9. Package Content

Heater Main Unit	X 1 PCS
Power Cord	X 1 PCS
Power Adaptor	X 1 PCS

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- Do not expose the product to water or moisture while energized.
- Do not allow moisture to penetrate openings in the case. If this occurs allow the unit to dry out unpowered before switching on again.

- Do not expose the product to extreme hot or cold temperatures.
- Do not expose the product to open flames.
- Do not allow objects to fall on or liquids to spill on the product.
- Do not replace detachable main supply cords by inadequately rated cords.
- If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.