

**NEW!**

# PHASOR™

(Patent Pending)

Photon induced composite heating



**Maintains Temperature Throughout Procedure**

**Warms Composite In Under 20 Seconds**

**3 Heat Settings**

*Call for pricing*  
[408800]

*\* Shown At Approximate Size*

**Rechargeable Battery**

## Traditional Composite vs. Bulk-Fill Flowables vs. Phasor™



Traditional incremental layering, can be time consuming and increase risk of voids.



Bulk-fill flowables reduce the number of steps, but sacrifice strength.



Phasor™ can be used as a true one step bulk fill by improving the characteristics of your favorite composite.



**Accepts ANY Standard Composite Compu**



# WHY HEAT?

## PROCEDURAL EFFICIENCY

Better placement and handling of composites decreases procedure time

*Testimonials and beta site testing*

## LOWER VISCOSITY

Flowability similar to flowable composites can be achieved with the use of heat.

*Ayub 2014, Rickman 2011*

## DURABILITY & WEAR RETENTION

Preheating increases composite microhardness

*Munoz 2008, Lucey 2010, Nada 2011, Dionysopoulos 2015*

## SAFE

Does not damage pulp tissue or cause discomfort

*Daronch 2007, Rueggeberg 2010*

## LESS VOIDS & MICROLEAKAGE

Reduced chance of secondary caries and better outcomes

*Choudhary 2011, Wagner 2008, Froes-Salgado 2010*

## Heating up Composite Delivery

Vista Dental Products has revolutionized composite delivery with their new Phasor™ composite warming system. This patent-pending device is the first of its kind, using **near infrared technology** to rapidly warm highly filled composite compules. With the touch of a button Phasor™ is able to heat composite material to 150°F in seconds, and maintain that temperature throughout the procedure, while remaining cool to the touch.

This technique provides the benefits of bulk fill, highly filled AND flowable composite in one. Warming composite significantly lowers the viscosity of the material, resulting in better adaptation, reduced voids and microleakage, and improved depth of cure. Materials remain highly sculptable, non-sticky, and easily shaped during manipulation.

Unlike other devices, Phasor™ is not limited to a single brand of composite. This makes the device extremely versatile, not only in quick posterior bulk fills, but traditional incremental layering techniques in aesthetic regions as well.



### FAST

Heats composite in under 20 seconds.

Easily change from low, mid, high flow settings.



### BATTERY OPERATED

Battery operated and cordless.

Long lasting rechargeable battery.



### COOL TO THE TOUCH

Unlike warmer bases, the device is not hot to the touch

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## Benefits of HEAT:

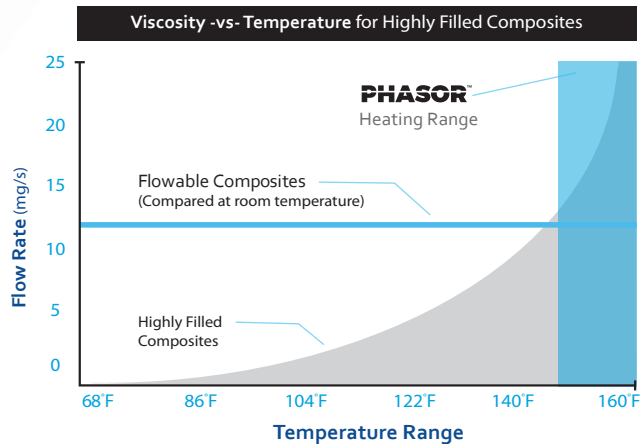
- Creates fewer voids, with greater depth of cure and shorter curing time
- There is no adverse effect to pulp tissue or to composite material
- Easier to place and manipulate composite material



## Science Behind the Heat

The heating technology of Phasor™ significantly increases the flow characteristics of highly filled composites while helping to increase polymerization and improve depth of cure.

Heat lowers the viscosity of composite material, allowing it to better flow and adapt to cavity walls. As a result, voids are reduced, which then reduces the risk of secondary caries. Heating composite material also improves its physical and handling properties without modifying color or stability.



### Highly Filled

3M Filtek Supreme Ultra\*  
3M Filtek Z250\*  
Dentsply Esthet X HD\*\*  
Dentsply TPH3\*\*

### Flowables

Dentsply SureFil SDR Flow\*\*  
Ivoclar Tetric Evoflow\*\*  
Heraeus Venus\*\*  
Dentsply THP3 Flow\*\*\*

FEATURES	BENEFITS OF USING HEAT	PROOF
<b>Depth of Cure</b>	Fill restorations faster by increasing the depth of cure and reducing curing time.	<sup>4</sup> Burtscher 2005, <sup>2</sup> Munoz 2008
<b>Flowability</b>	When heated, highly filled composites flow up to 10X better.	<sup>3</sup> Lucey 2010
<b>Increased Polymerization</b>	Significantly higher monomer conversion values. Dramatic increase in polymerization rates.	<sup>5</sup> Trujillo 2003, <sup>6</sup> Daronch 2005
<b>Decreased Voids</b>	Heating significantly reduces the chance of secondary caries.	<sup>9</sup> Choudhary 2011, <sup>10</sup> Wagner 2008, <sup>8</sup> Froes-Salgado 2010
<b>Color + Stability</b>	Heating will NOT modify color or stability properties of composite material.	<sup>1</sup> Mundim 2011
<b>Micro-Hardness</b>	Heating results in shorter curing times and enhances subsequent surface hardness.	<sup>2</sup> Munoz 2008, <sup>3</sup> Lucey 2010
<b>Viscosity -vs- Temperature</b>	Heating makes it easier to place material and results in better adaptation to cavity walls.	<sup>3</sup> Lucey 2010
<b>Heating Safety</b>	Heating will NOT damage pulp tissue or cause discomfort. No other safety concerns.	<sup>7</sup> Daronch 2007 <sup>11</sup> Rueggeberg 2010

