

Cure it all...  
...All at once.  
VelaCure™ it!

# VelaCure12

## Three-dimensional Curing for Adhesives & Coatings

### INDUSTRIES

- Medical Device
- Hearing aids
- Vision
- Electronics
- Optics
- Aerospace
- Consumer products

### APPLICATIONS

- Medical products marking, bonding, and assembly
- Catheter and guide wire coating curing
- Electronics product curing, marking, bonding & potting
- Curing 3D wooden components
- Bonding lens assemblies
- Pipe and tube coating



### VELACURE12 ADVANTAGES

- Ideal for irregularly shaped parts that are challenging to cure with conventional UV
- Full 360° uniform cure in seconds
- Product stays cool — no over-curing
- Compatible with UV irradiator, microwave, or arc lamp
- Configurable for production line use
- For curing parts up to 8"x8"x8"
- Standard and custom sizes available

The VelaCure12 is a convenient, high performance UV curing station, perfect for your cylindrical or irregularly shaped parts. Vela Technologies' patented technology surrounds your parts in uniform UV light, giving complete, even cure. True 3D curing from Vela Technologies!

Light input from a single UV irradiator, such as Fusion UV Systems F300, is evenly dispersed within the VelaCure12, resulting in an extremely uniform light field. It's like bathing your parts in a pool of UV, resulting in uniform cure of even the most complex parts in seconds.



- Uniform exposure means uniform cure. No hot spots from direct illumination and no sticky, partially cured spots.
- Cures multiple sites with a single exposure—no part rotation or re-positioning of lamps needed.
- Overcomes the limitations of conventional "line of sight" UV curing.

For European sales and support:

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## Available Features and Benefits

### FEATURES

- Uniform, low heat curing
- Real-time irradiance monitoring
- Dose control
- Icon based touch screen interface
- Compatible with standard UV curing lamps

### BENEFITS

- Uniform, 360° curing
- Repeatable dose delivery
- Compensates for lamp aging
- No part or lamp motion needed



### AUTOMATIC DOSE CONTROL (OPTION)

Simply use the touch screen to input the dose (in J/cm<sup>2</sup>) needed to cure your parts and let the VelaCure12 do the rest. The microprocessor automatically monitors the UV reaching your part and adjusts the exposure time needed to reach the desired dose. This ensures consistent cure, part after part.

### CONFIGURATIONS

Versions of the VelaCure12 can be configured with a variety of features for uses from R&D to fully automated production.

- Front Door—for inserting parts or arrays of small parts into chamber
- Side Ports—for inserting catheters, wires, pipe, and other continuous pieces
- Manually adjustable aperture or pneumatic shutter
- ControlCure microprocessor—optional controller allows for complete system control including UV dose and lamp exposure.



SPECIFICATIONS	
Power (not including lamp)	100—240 VAC, 18 W, 50/60 Hz
UV Spectrum (specify with order)	UVA, UVB, UVC and UVV
Lamp Compatibility	F300, LH6 (Fusion UV Systems), Coolwave 306 (Nordson), SubZero Series (Integration Technologies), others upon request
Irradiance	Up to 2.700 mW/cm <sup>2</sup> (UVA; lamp dependent)
Dimensions Overall (WxDxH)	Cure chamber 12x12x12", Overall 14x14x18" (w/o lamp)
Weight (pounds)	24

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**EFSEN**  
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