

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

# MiniCure3D-LED™

## High Power LED 3D Curing for Adhesives & Coatings

### INDUSTRIES

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

### APPLICATIONS

- Low heat bonding & curing
- Catheter bonding & sealing
- Endoscope optics & repair
- IV sets, tubing
- Marker bands
- Y connectors
- Needle/syringe/cannula bonding
- Hearing Aids
- Fiber optics, camera lenses
- Speakers (ear buds)
- FIP gasketing
- Potting & filling

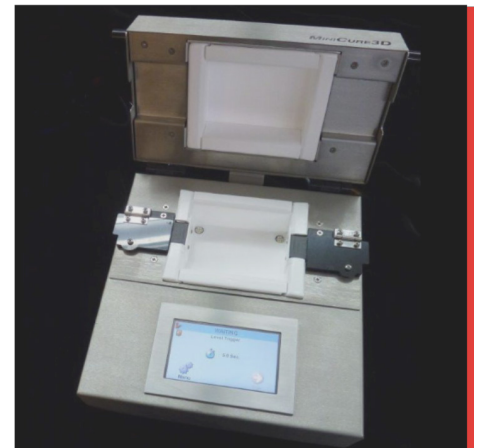


### MINICURE3D-LED™ ADVANTAGES

- Uses our proprietary 365 nm LED power unit
- Full 360° uniform cure in seconds
- Product stays cool—no over-curing
- No spot cure lamp or light guide needed—nothing to replace
- Simultaneously cures multiple application or bond sites
- Bushings facilitate work piece positioning
- Cure length up to 4" (100 mm), widths up to 3" (75 mm)

The MiniCure3D-LED™ is a convenient, high performance dispensing and UV curing station, perfect for adhering balloons, hubs, etc. to catheters. Vela Technologies' patented technology surrounds your parts in uniform UV light, giving complete, even cure. True 3D curing from Vela Technologies!

Light input from our proprietary LED power unit is evenly dispersed within the MC3D™, resulting in an extremely uniform light field. It's like bathing your parts in a pool of diffuse 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 partially cured spots.
- Cures multiple sites without part rotation or re-positioning of light guides.
- Use as a single station for assembly, dispensing and curing. No parts transfer between stations needed.



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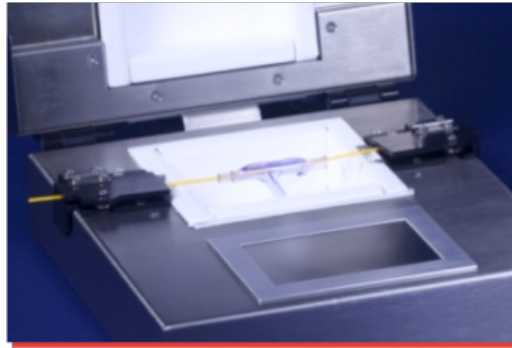
## Features and Benefits

### FEATURES

- Uniform, low heat curing
- Real-time irradiance monitoring
- Dose control
- Touchscreen, icon based interface
- High power 365 nm or 400 nm LED light source

### BENEFITS

- Self contained. No need for light guides, spot cure lamps, frequent lamp monitoring or replacement
- Uniform, 360° curing
- Repeatable dose delivery
- No part manipulation needed
- Stable, long-life LED's with 20,000 hour lifetime



- Single station for assembly, dispensing and curing—no part transfer or repositioning needed
- Uniform light field eliminates overcuring, meaning no hot spots on your part
- Bushings on the MC3D secure your catheter in place

### Automatic Dose Control

Simply use the touch screen to input the dose (in J/cm<sup>2</sup>) or exposure time needed to cure your parts and let the MC3D-LED™ 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.



### SPECIFICATIONS

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Power	120 - 240 VAC, 80 W, 50-60 cps
UV Spectrum	365, 385, 395, 405 nm select
Empty Chamber UVA	16.8 W UVA @ 365 nm
Bushing channels <sup>1</sup>	Blank (standard); milled grooves (optional)
Dimensions overall (WxDxH)	9.8" x 9.75" x 4.75"
Weight	8.6 lbs (3.2 kg)
Cooling	Air Cooled



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