

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

# MiniCure3D™ & MiniCure3D+

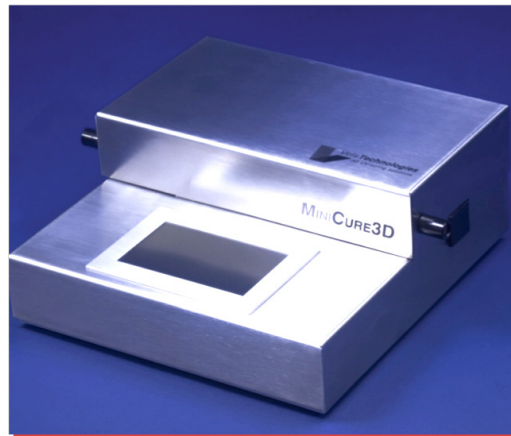
## Three-dimensional Curing for Adhesives & Coatings

### 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



### MINICURE 3D™ ADVANTAGES

- Full 360° uniform cure in seconds
- Product stays cool—no over-curing
- Uses single pole light guide for reduced maintenance cost
- Compatible with all spot cure light sources and guides—arc lamp or LED
- Bushings facilitate product positioning
- Cure length up to 4" (100 mm)
- Standard and custom sizes available

The MiniCure3D™ 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 any common light guide is evenly dispersed within the MC3D™, 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 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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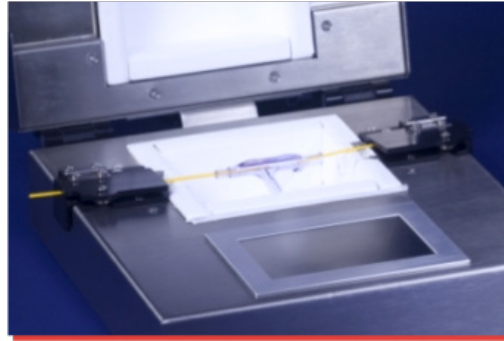
## Features and Benefits

### FEATURES

- Uniform, low heat curing
- Real-time irradiance monitoring (MC3D+)
- Dose control (MC3D+)
- Icon based touch screen interface (MC3D+)
- Compatible with standard and LED spot cure systems

### BENEFITS

- Uniform, 360° curing
- Repeatable dose delivery
- Compensates for lamp & light guide aging
- No part manipulation or light guide motion needed
- No multi-pole light guides



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

### Automatic Dose Control (MC3D+)

Simply use the touch screen to input the dose (in J/cm<sup>2</sup>) needed to cure your parts and let the MiniCure3D+ 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

|   |   |
|---|---|
| Power (MC3D+ only)  | 100–240 VAC, 18 W, 50/60 Hz                 |
| UV Spectrum   | UVA, UVB, UVC and UVV                       |
| Light guide compatibility   | Up to 15 mm light guide housing OD          |
| Bushing channels <sup>1</sup>   | Blank (standard); milled grooves (optional) |
| Dimensions overall (WxDxH)  | 9.8" x 10.3" x 4.2"                         |
| Weight  | 8.6 lbs.                                    |
| <sup>1</sup> Specify spectrum (MC3D+) and bushing size at time of order |   |



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