

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

- Ideal for temperature sensitive parts
- 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 LED power unit (365 nm or 400 nm)
- Full 360° uniform cure in seconds
- Product stays cool—no over-curing
- Simultaneously cures multiple application sites
- Bushings facilitate work piece positioning
- Cure length up to 4" (100 mm)
- Standard and custom sizes available

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 (choose 365 nm or 400 nm) 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

- Uniform, low heat curing
- Real-time irradiance monitoring
- Dose control
- Icon based touch screen 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

Features and Benefits



- 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-LED secure your catheter in place

Automatic Dose Control

Simply use the touch screen to input the dose (in J/cm²) needed to cure your parts and let the MiniCure3D-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	
Power	120 VAC, 18 W, 50/60 Hz
UV Spectrum	Specify 365 nm or 400 nm
Empty Chamber UVA	15 W UVA @ 365 nm
Bushing channels	Blank (standard); milled grooves (optional)
Dimensions overall (WxDxH)	9.8" x 9.75" x 4.75" (245 mm x 244 mm x 119 mm)
Weight	8.6 lbs (3.2 kg)
Cooling	54° F (12° C) water or Vela chiller



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