

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

MiniCure3D-ELS9-LED™

Three-dimensional Curing for Adhesives & Coatings

Large 9" Chamber for Larger Parts...

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-ELS9-LED™ ADVANTAGES

- Full 360° uniform cure in seconds
- Product stays cool—no over-curing
- Uses 8 proprietary LED power units for higher irradiance
- No spot cure light sources or light guides necessary—no replacing
- Cure length up to 9" (225 mm)
- Can operate in either horizontal (bench top) or vertical (wall mounted) orientation
- Chamber locks during operation for operator safety

The MiniCure3D-ELS9-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!

Powerful LEDs evenly disperse light within the MC3D-ELS9-LED™, 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 direct illumination hot spots or partially cured spots.
- Cures multiple sites without part rotation, re-positioning, or movement 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
- Compatible with standard 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 or repositioning needed
- Uniform light field eliminates over-curing, meaning no hot spots
- Locking lid for operator protection
- Ports for nitrogen inerting, if desired
- Portrait or landscape display orientation

Automatic Dose Control

Simply use the touch screen to input the dose (in J/cm²) needed to cure your parts and let the MiniCure3D-ELS9™ 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

| SPECIFICATIONS | |
|----------------------------|--|
| Power (MC3D+ only) | 100–240 VAC, 18 W, 50/60 Hz |
| UV Spectrum | Any mix or all: 340, 364, 385, 390, 405, 420 nm |
| Dimensions overall (WxDxH) | 10.9" x 10.7" x 4.5" (277 mm x 114 mm x 272 mm) |
| Chamber Dimensions | 3" x 3" x 9" (75 mm x 75 mm x 225 mm) |
| Weight | 10.7 lbs (4.9 kg) |



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