

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

# MiniCure3D-ELS-9™

## 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-ELS-9™ ADVANTAGES

- Full 360° uniform cure in seconds
- Product stays cool—no over-curing
- Uses either one or two spot cure lamps for higher UV irradiance
- Compatible with all spot cure light sources and light guides—universal guide ports
- Cure length up to 9" (225 mm)
- Can operate in either horizontal (bench top) or vertical (wall mounted) orientation

The MiniCure3D-ELS-9™ 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-ELS-9™, 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 (typically  $\pm 7\%$ ) 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.

For European sales and support contact Efsen Engineering A/S  
www.Efsen.dk • Efsen@Efsen.dk  
+45 45 65 02 60

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

# MiniCure3D-ESL-9™

## FEATURES

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

## 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
- Locking lid for secure operation
- Ports for nitrogen inerting
- Portrait or landscape display orientation
- Optional chamber partition to reduce chamber length

### Automatic Dose Control

Simply use the touch screen to input the dose (in J/cm<sup>2</sup>) needed to cure your parts and let the MiniCure3D-ESL-9™ 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	UVA, UVB, UVC and UVV
Light guide compatibility	Universal—Either one or two light guides and spot cure lamps
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)

For European sales and support contact Efsen Engineering A/S  
www.Efsen.dk • Efsen@Efsen.dk  
+45 45 65 02 60