

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

Vela 3D Catheter Curing System

APPLICATIONS

- Catheter development
- Coating development
- Catheter bonding & sealing
- Urinary catheters
 - Foley
 - Self administered
- PTA Catheters
- Guide wire coating curing
- Limited production curing

High Power 3D Curing for Up to Six Catheters At Once



3D LABORATORY CATHETER CURING SYSTEM

- Full 360° uniform cure in seconds
- Product stays cool – no over-curing
- Simultaneously cures catheters without rotating or lamp movement
- Cure up to 6 catheters, up to 500 mm length
- ControlCure™ controller accurately controls UV exposure--dose or exposure time
- Standard and custom sizes available

The Vela Catheter Curing System is a convenient, high performance UV curing station, perfect for laboratory use in developing new catheter designs and new coating systems or limited production applications. Until now, curing multiple long cylindrical catheters uniformly has been challenging, usually requiring multiple short lifetime lamps and mechanically rotating the catheters. Vela Technologies' patented technology bathes your catheters in a uniform surround of multi-directional UV, uniformly curing without rotating catheters or using multiple lamps. True 3D curing from Vela Technologies!

Light input from a single UV irradiator or LED source is evenly dispersed within the chamber, resulting in an extremely uniform light field. No hot spots from direct illumination and no sticky, partially cured spots. This overcomes the limitations of conventional "line of sight" UV curing.

- Simultaneously cure urinary or PTA catheters or guide wires with no rotation or multiple moving lamps required
- Larger chambers for production applications simultaneously cure up to 200 catheters



8125 Mercury Court, San Diego, CA 92111
www.VelaUV.com • Sales@VelaUV.com

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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 available

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

Configurations



- Standard laboratory configuration includes a manually loaded frame to hold up to 6 catheters, up to 500 mm length
- Manually operated cover closes over the catheter frame
- Ports are available for inert gases and curing single catheters longer than 500 mm

AUTOMATIC DOSE CONTROL

Simply use the touch screen to input the dose (in J/cm²) needed to cure your parts and let the ControlCure™ controller 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, run after run.



SPECIFICATIONS

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Power (not including amp)	100–240 VAC, 18 W, 50/60 Hz
UV Spectrum (specify with order)	UVA, UVB, UVC and UVV
Lamp compatibility	Heraeus F300, LH6, Nordson Coolwave 306, Various LED
Irradiance	Up to 400 mW/cm ² (UVA; lamp dependent)
Dimensions overall (WxDxH)	Cure chamber 10" x 18.7" x 22"
Weight	~40 lbs



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