

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

VelaCure 6UP Catheter Chamber

Three-dimensional Curing for Adhesives & Coatings

INDUSTRIES

- Medical Device
- Hearing aids
- Vision
- Electronics
- Optics
- Aerospace
- Consumer products

APPLICATIONS

- Medical products marking, bonding, and assembly
- Catheter and guide wire coating curing
- Electronics product curing, marking, bonding & potting
- Curing 3D wooden components
- Bonding lens assemblies
- Pipe and tube coating



VelaCure 6UP Advantages:

- Ideal for development of catheter coatings to get even and uniform curing
- Full 360° uniform cure in seconds
- Products stay cool – no over-curing
- Compatible with UV irradiator, microwave or arc lamp
- Configurable for production line use
- Inner volume mm (HxWxD) = 610 x 317 x 457
- Standard and custom sizes available.

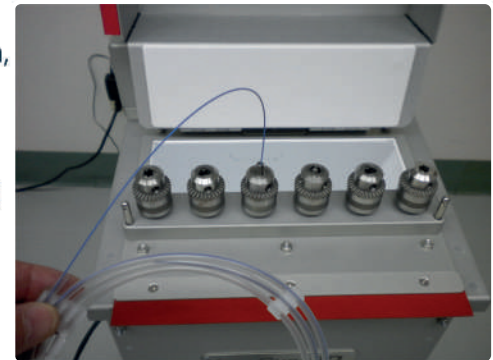
The VelaCure 6UP Catheter Chamber is a convenient, high performance UV curing station, perfect for development and production of most catheter models.

Vela Technologies patented technology surrounds your parts in uniform UV light, giving complete, even cure.

True 3D curing from Vela Technologies.

Light input from a single UV irradiator, such as Fusion UV Systems F300, is evenly dispersed within the VelaCure 6UP Catheter Chamber, resulting in extremely uniform light field.

It's like bathing your parts in a pool of UV, resulting in uniform cure even to the most complex parts in seconds.



- Uniform exposure means uniform cure. No sticky spots from direct illumination and no sticky, partially cured spots.
- Cures of multiple sites with a single exposure - no part rotation or re-positioning of lamps needed.
- Overcomes the limitations of conventional "line of sight" UV curing

For European sales and support:

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FEATURES

- Uniform, low heat curing
- Real-time irradiance monitoring
- Dose control
- Icon based touch screen interface
- Compatible with standard UV curing lamps

BENEFITS

- Uniform, 360° curing
- Repeatable dose delivery
- Compensates for lamp aging
- No part or lamp motion needed

Available Features and Benefits



Automatic Dose Control (Option)

Simply use the touch screen to input the dose (in J/cm²) needed to cure your parts and let the VelaCure 6UP Catheter Chamber do the rest. The microprocessor automatically monitors the UV reaching your parts and adjusts the exposure time needed to reach the desired dose. This ensures consistent cure, part after part.

Configurations

Versions of the 6UP Catheter Chamber can be configured to your needs and with a variety of features for uses from R&D to fully automated production.

- Front door – for inserting items on the chamber floor.
- Side and bottom ports
- Manually adjustable aperture and pneumatic shutter.
- ControlCure integrated with PLC – allows for total automated system control including UV dose and lamp exposure.
- EIT UVA, UVB and UVC compatible



SPECIFICATIONS	
Power (not including lamp)	100—240 VAC, 18 W, 50/60 Hz
UV Spectrum (specify with order)	UVA, UVB, UVC and UVV
Lamp Compatibility	F300, LH6 (Fusion UV Systems), Coolwave 306 (Nordson), SubZero Series (Integration Technologies), others upon request
Internal Dimensions WxLxH	317mm x 457mm x 610mm

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