OmniCure®
UV Curing • In Control

OmniCure S1500

A Cost-Effective System Solution that Delivers Power, Control and Reliability

Powerful 200 Watt Intelli-Lamp® with a guaranteed lamp life of 2000 hours

Protection of lamp life through automatic lamp striking with hot strike prevention

Selectable bandpass filters to customize light wavelengths for specific applications

Easy-to-use, finger-touch controls with bright LED display

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The OmniCure Advantage In Spot Curing Systems

Recognized as the global leader in bonding systems for precision assembly with light-cured adhesives, the OmniCure® family of products provides the power, control and repeatability demanded by high-speed automated manufacturing assembly. The OmniCure S1500 UV Spot Curing System builds on that leadership by providing first-rate quality, precision and versatility in an easy-to-use, cost-effective system. The OmniCure S1500 is also designed to adhere to regulatory validations and is RoHS compliant.

Powerful 200 Watt Intelli-Lamp

The powerful patented 200 Watt Intelli-Lamp® installed in the OmniCure S1500 guarantees an amazing 2000-hour lamp life and a typical lamp life of up to 4,000 hours. Faster curing is achieved with high UVA irradiance of up to 10W/cm^2.

Intelligent Operation

The OmniCure S1500 has a multitude of built-in features that provide greater control, precision and versatility. Features include an adjustable iris, patented Intelli-Lamp technology, selectable bandpass filters, process alarms, and 'lock out' protection, most of which are found only in higher-priced curing systems. The curing system can also be programmed and controlled externally from a PLC using the 15-pin I/O ports.

Ease-of-Use

With snap-in lamp insertion, finger touch controls, an easy-to-read LED display, process indicators and automatic lamp striking, the OmniCure S1500 is simple to use. Hassle-free snap-in lamp insertion and a low-noise fan improve ongoing operation.

OmniCure S1500 Typical Irradiance

S1500	R2000
FILTER (nm)	IRRADIANCE (W/cm^2)
320-500	23
400-500	14.5
320-390	7.3
365	5.9
250-450	19.1
no filter	27.7

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Expanding Your Options

Light Delivery

To accommodate the various needs of its customers, the OmniCure S1500 can be used with four different light delivery options. Ideally used with a multi-legged High Power Fiber Light Guide to cure multiple sites with a single light source; Single-Legged, Liquid-Filled and Fiber Light Guides are also available.
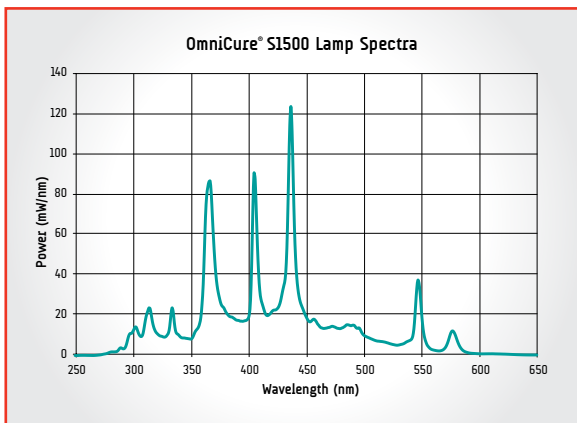
OmniCure R2000

Radiometry is an essential link for measuring the light output from a UV curing system in order to maintain a repeatable process. The OmniCure R2000 UV Radiometer can be combined with the OmniCure S1500 UV curing system to provide a complete curing station with unmatched control and repeatability.

Optional Accessory:
OmniCure R2000 Radiometer

High Power Fiber Light Guide

Liquid Light Guide

High Power Fiber Light Line

Flexible Spectral Output

The broad spectral output makes the OmniCure S1500 ideal for a wide range of applications. Selectable bandpass filters allow you to customize the light for your specific application.

OmniCure® S1500 Lamp Spectra

Power (mW/nm) vs Wavelength (nm)

FEATURES	BENEFITS
Faster Shutter Activation Time	Improved shutter activation latency increasing productivity
Modified PLC Level	Provides trigger signal versatility by selecting either edge or level modes
200W lamp technology with 2000 hour lamp life guarantee	Less frequent lamp changes for lower operating costs
Intelli-Lamp® Technology to cool lamp and monitor lamp hours	Maintain optimum operating condition, stable lamp output, longer lamp life, accumulated lamp hours
Adjustable light output in 1% increments	Allowing very precise control of output
External PC Controlled	Beneficial for automated assembly processes

DESCRIPTION

Lamp	High Pressure 200 Watt Mercury Vapor Short Arc
Lamp Life	2000 hours (guaranteed)
Available Filters	Standard: 320-500nm Optional: 250-450nm*, 365nm, 320-390nm, 400-500nm
Panel Controls	Power On/Off, LED Display, Up/Down Adjust Buttons, Start/Stop Button
Panel Displays	Accumulated lamp usage, exposure time, iris setting, lamp on/warm-up status, shutter open, Light Guide detection, shutter/lamp error
Warm-up Period	4 minutes (typical)
Power In	100-240VAC, 50/60Hz
Power Supply	High efficiency, switch mode, line isolated

GENERAL SPECIFICATIONS

Dimensions (LxWxH)	13.3" x 7.1" x 7.9" (33.8cm x 18.0cm x 20.1cm)
Weight	9.9lbs (4.5kg)
Includes	Lamp Module, Selected Filter (installed), Protective Eyewear, Grounded and Shielded Power Cord, Foot Pedal, Manual
Warranty	1 year (excluding Lamp and Light Guide)

* Blank filter; must be used with Fiber or Extended Range Light Guide

To learn more about OmniCure UV curing solutions, please visit www.excelitas.com/omnicure.

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