

UV Spot Curing System

# OmniCure® S1500

The OmniCure® S1500 delivers power, control and reliability in an extremely cost-effective, affordable system.

---

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

---

Automatic lamp striking with hot strike prevention that will protect lamp life

---

Selectable bandpass filters to customize light wavelengths for specific applications

---

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



# The OmniCure® S1500

## 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<sup>2</sup>.

### Intelligent Operation

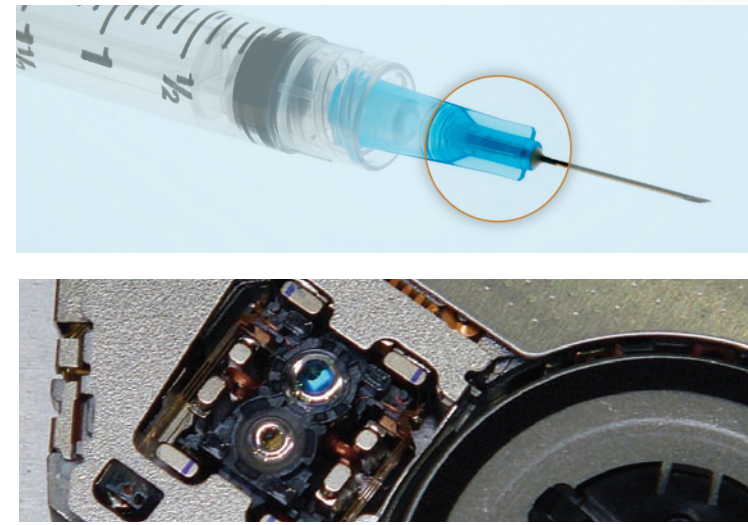
The OmniCure® S1500 has a multitude of built-in features that provide greater control, precision and versatility. Features include an adjustable iris, patented Intelli-Lamp® technology, selectable bandpass filters, process alarms, and 'lock out' protection, most of which are found only in higher-priced 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 <sup>2</sup> )
320-500	23
400-500	14.5
320-390	7.3
365	5.9
250-450	19.1
no filter	27.7



Optional Accessory:  
OmniCure® R2000 Radiometer

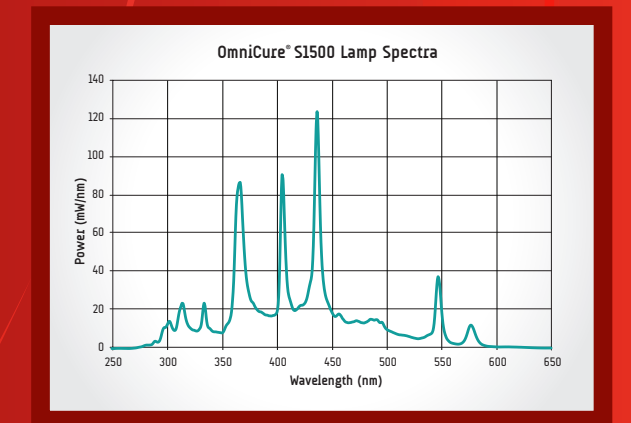
## Expanding Your Options

### Light Delivery

To accommodate various customer needs, 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.



1. High Power Fiber Light Guide
2. Liquid Light Guide
3. 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.



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, 250-600nm*
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

**EXFO**  
Life Sciences &  
Industrial Division  
putting you in control

2260 Argentia Road  
Mississauga, Ontario  
L5N 6H7 CANADA

[www.EXFO-OmniCure.com](http://www.EXFO-OmniCure.com)

Telephone: +1 905 821-2600  
Toll Free (USA and Canada): +1 800 668-8752  
Facsimile: +1 905 821-2055

[OmniCure@EXFO.com](mailto:OmniCure@EXFO.com)



PLEASE NOTE: Hg-LAMP CONTAINS MERCURY, Manage in Accord with Disposal Laws, See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-668-8752  
For a detailed look at our application solutions visit: [www.EXFO-OmniCure.com/applications.php](http://www.EXFO-OmniCure.com/applications.php)

EXFO Photonic Solutions Inc. is certified under the ISO 9000 Quality Management System. Our global customers can trust that EXFO strives to be the best possible supplier in all aspects of our business.



OmniCure®, StepCure® and Intelli-Lamp® are registered trademarks of EXFO Photonic Solutions, Inc. All rights reserved. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation.

Contact EXFO for prices and availability or to obtain the phone number of your local EXFO representative. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language in any form by any means without the prior written consent of EXFO Photonic Solutions Inc.