

S2000

OMNICURE

UV/VISIBLE SPOT CURING SYSTEM



The Series 2000, the latest model from the OmniCure® Platform, provides outstanding control features and a new 200W lamp technology with a guaranteed life of 2000 hours. The OmniCure® Series 2000 includes Closed-Loop Feedback technology which allows the user to select the required output levels, then locks in the settings and continuously monitors and maintains them; ensuring repeatable cures. Multiple curing systems can be set via wireless or serial communication with the EXFO R2000 Radiometer.

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EXFO

EXPERTISE REACHING OUT



REPEATABILITY



CONTROL



SPEED



PRECISION

Precision Technology Light Years Ahead

2000 Hour Lamp Life Guaranteed

The OmniCure® Series 2000 includes a new 200W lamp for plenty of power, with a guaranteed life of 2000 hours to lower cost of operation. Intelli-Lamp™ technology automatically maintains the lamp hours right on the lamp, so no extra effort is required to activate lamp warranty.

Repeatability

The OmniCure® Series 2000 features EXFO's Closed-Loop Feedback technology to continuously monitor the light at the source and automatically makes adjustments to maintain the user selected set point. This ensures the required output level is maintained for every cure.

Radiometer Control

Combine your OmniCure® Series 2000 with the new EXFO R2000 Radiometer to calibrate and set specific irradiance values on your curing system. The handheld radiometer allows you to calibrate multiple curing systems from the same radiometer through wireless or serial communication.

Automation

The OmniCure® Series 2000 is ideal for automated processes. The curing system can be programmed and controlled externally from a PLC using the 15-pin I/O ports or directly from a PC via serial communication. PC software and commands are included with the system. External devices are available for networking multiple systems.

Tack-Free Surface Curing of Acrylics

A special version of the OmniCure® Series 2000 system is available specifically for surface curing acrylic and methacrylic adhesives. This exclusive lamp technology promotes a smooth, tack-free surface finish without the need for an inert atmosphere during cure, or post-curing at elevated temperatures.



Closed-Loop Feedback



EXFO R2000 Radiometer



Automated Process Control



Features

Benefits

200W lamp with 30W/cm ² of output	Versatility: Delivers the intensity required for a broad range of applications; ideal for use with multi-legged light guides
Long lamp life: 2000 hours guaranteed	Lower operating costs
Special lamp technology for acrylic adhesives	Tack-free surface curing of acrylics
Closed-Loop Feedback Technology	Automatically maintains a constant output for a repeatable curing process
Optional radiometer control with EXFO R2000 Radiometer	Calibrate and program the curing system in W/cm ²
Iris adjustments in 1% increments	Precisely control the output irradiance for your curing application
Intelli-Lamp™ technology	Maintains optimum operating conditions, stable lamp output, longer lamp life, accumulated lamp hours
RS232 communication including PC software and commands	Program and control the curing system from a PC or integrate in an automated system
Remote operation from 15 pin I/O ports	PLC control of the curing system
Timer synchronization input	Calibrate the system timer for process validation
Selectable bandpass filters	Customize wavelengths of light for your application
Shutter, lamp and light guide alarms	Confirms process; ensures repeatability
Hot strike prevention	Protects lamp life
Password protection	Protects settings for ensured repeatability
Low noise fan	Quiet operation in the workplace
CE marked; certified to IEC, Canadian and US standards	Ready for use worldwide

Light Delivery

The OmniCure® Series 2000 is ideal for use with EXFO's new multi-legged High Power Fiber Light Guides to cure multiple sites with a single light source. EXFO also offers single legged liquid-filled or quartz fiber light guides to suit most customer needs.

High Power Fiber Light Guide

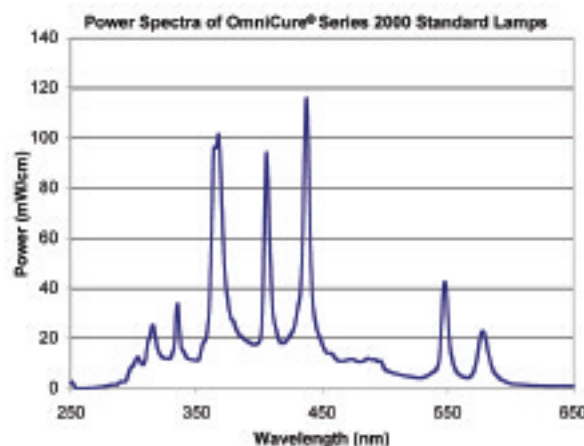


Flexible Spectral Output

The broad spectral output makes the OmniCure® Series 2000 ideal for a wide range of applications. Selectable bandpass filters allow you to customize the light for your specific application.

320-500nm	320-390nm	365nm
400-500nm	250-450nm**	250-600nm**

**Blank Filter; must use fiber or extended range light guide



Specifications

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, Display Mode, Adjust UP/DOWN, START/STOP, lock/unlock
Panel Displays	Accumulated Lamp Usage, Exposure Time (0.2 – 999.9sec), iris setting (0–100%) / irradiance level 0.2W/cm ² – 40W/cm ² , lamp on, shutter open, calibrated, light guide inserted, shutter/lamp error, lamp warm-up
Warm-up Period	4 minutes (typical)
Power In	100-120VAC / 200-240VAC, 50/60Hz
Power Supply	High efficiency, switch mode, line isolated

** Blank filter; must be used with fiber or extended range light guide

General Specifications

Dimensions	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)

Hg-LAMP CONTAINS MERCURY, Manage in Accord with Disposal Laws, See: www.lamprecycle.org or 1-800-668-8752



EXFO Precision Assembly Group 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.

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