# Omnicure S2000

## UV/ Visible Spot Curing System

POLY DISPENSING SYSTEMS
SYSTEMES DE DOSAGE INDUSTRIEL

122, Chemin de la Cavée - 78630 ORGEVAL • contact@polydispensing.com • Tèl : 01.39.62.40.92
www.polydispensing.com

# Omnicure S2000

## Omnicure S2000

## The OmniCure® S2000
## UV/Visible Spot Curing System is the most intelligent system of its kind

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

Maximum trigger shutter activation latency of only 50ms in Programmable Logic Controller (PLC) mode

Convenient, downloadable StepCure® software without the requirement of an external Desktop PC

Repeatable cures with Closed-Loop Feedback technology for even the most advanced assembly process

Optional OmniCure® R2000 Radiometer can be combined to calibrate and set absolute irradiance levels from a single reference point

122, Chemin de la Cavée - 78630 ORGEVAL • contact@polydispensing.com • Tèl : 01.39.62.40.92
www.polydispensing.com

DATA SHEET

# Omnicure S2000

## The OmniCure® Advantage In Spot Curing Systems

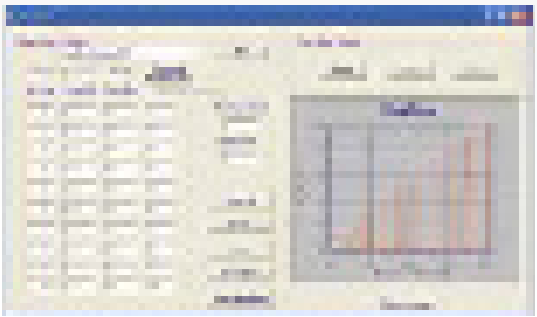
Recognized as the global leader in bonding systems for precision assembly with light-cured adhesives, the OmniCure® S2000 provides the power, control and repeatability required for high-speed automated manufacturing assembly. Offering a powerful 200 Watt lamp with a guaranteed life of 2000 hours, the OmniCure® S2000 also offers Closed-Loop Feedback technology and a flexible PC software interface for computer-controlled operation. When combined with OmniCure®'s R2000 Radiometer, the OmniCure® S2000's precision and reliability is unmatched. The OmniCure® S2000 is also designed to adhere to regulatory validations and is RoHS compliant.

### Fast Shutter Activation

The OmniCure® S2000 is equipped with a fast shutter activation time, providing a maximum trigger shutter activation latency of only 50ms in PLC mode.

### Downloadable StepCure®

StepCure® software can download a customized multi-phase cure profile directly to the system. Previously only available when connected to an external Desktop PC, this option offers users greater cure control.



### 200 Watt Intelli-Lamp®

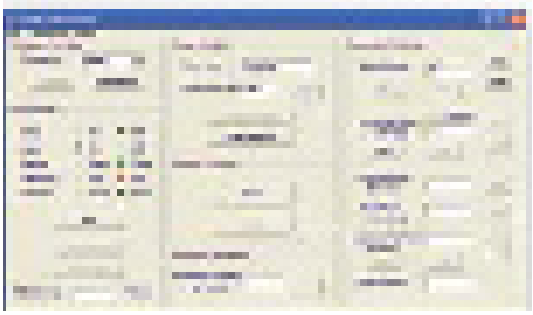
The powerful 200 Watt Intelli-Lamp® provides even faster curing with high UVA irradiance of up to 10W/cm2. With automatic lamp hour tracking and broad spectral output, OmniCure®'s patented technology makes the OmniCure® S2000 suitable for a wide range of adhesive/substrate bonding applications.

### Closed-Loop Feedback

Over time, lamp intensity diminishes effective curing. The OmniCure® S2000 internal intensity sensor monitors light output in real time and opens the iris to automatically orrect light output within +/-5%, ensuring repeatable and measurable doses of energy every time.

### Intelligent Automation

Easily integrated into automated systems, the OmniCure® S2000 is ideal for automated processes, minimizing development time. The system can be programmed and controlled externally from a PLC, with or without an external dongle. PC software and commands are included with the system.



122, Chemin de la Cavée - 78630 ORGEVAL • contact@polydispensing.com • Tèl : 01.39.62.40.92
www.polydispensing.com

DATA SHEET

# Omnicure S2000

| FEATURES | BENEFITS |
|---|---|
| Faster Shutter Activation Time | 70% improvement of shutter activation latency increasing productivity, especially for high volume manufacturing |
| Downloadable StepCure® software | Download customized multi-phase cure profiles directly to the unit. No need for a permanently connected PC |
| Modified PLC Level Mode | Provides trigger signal versatility by selecting either edge or level modes |
| 200W lamp technology with up to 30W/cm2 of output and a 2000 hour lamp life guarantee | 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 |
| 2 Lamp Options | Special lamp technology for acrylic adhesives provides a tack-free surface cure |
| Closed-Loop Feedback Technology | Automatically maintains a constant output for a repeatable curing process |
| External PC Controlled | Beneficial for automated assembly processes |
| Adjustable light output in 1% increments | Allowing very precise control of output |
| Easily combined with the OmniCure® R2000 Radiometer | Calibrate and set absolute irradiance levels wirelessly from a single reference point |
| DESCRIPTION | |
| Lamp | High Pressure 200 Watt Mercury Vapor Short Arc |
| Lamp Life | 2000 hours (guaranteed) |
| Available Filters | Standard: 320-500nm<br>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/cm² - 40W/cm²), lamp on/warm-up, shutter open, calibrated, Light Guide detection, shutter/lamp error |
| Warm-up Period | 4-minutes (typical) |
| Power In | 100-120VAC / 200-240VAC, 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) |

122, Chemin de la Cavée - 78630 ORGEVAL • contact@polydispensing.com • Tèl : 01.39.62.40.92
www.polydispensing.com

DATA SHEET

# Omnicure S2000

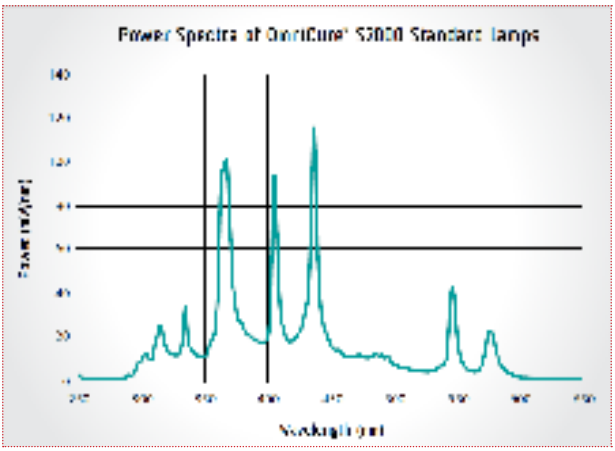
## Expanding Your Options

### Light Delivery

To accommodate the various needs of its' customers, the OmniCure® S2000 is adaptable to four different light guide 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.

### Radiometer

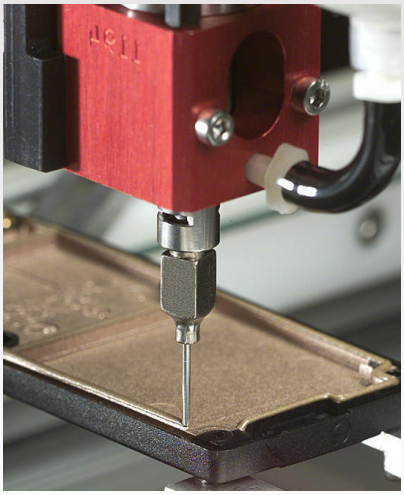
Optional Accessory: OmniCure® R2000 Radiometer. Accurate radiometry is essential to maintaining a calibrated and repeatable UV curing process suitable for consistent, high-quality production.




### Flexible Spectral Output

The broad spectral output makes the OmniCure® S2000 ideal for a wide range of applications. Selectable bandpass filters allow you to customize the light for your specific application.

122, Chemin de la Cavée - 78630 ORGEVAL • contact@polydispensing.com • Tèl : 01.39.62.40.92
www.polydispensing.com



PDS S.A.S is a french company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipements provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

Our collaborators and sales engineers all have a strong technical competences. They are able to answer your questions and offer you, after analysis, the right solution for your particular need.

FRANCE - SWITZERLAND
NORTH AFRICA
Poly Dispensing Systems
122, Chemin de le Cavée
78630 ORGEVAL
FRANCE
☎ + 33 (0)1 39 62 40 92
+ 33 (0)1 39 62 40 94
www.polydispensing.com

BELGIUM - HOLLANDE
LUXEMBOURG
Gentec Benelux
Rue de L'Industrie, 12
B-1400 Nivelles
BELGIQUE
☎ +32 2 351 1800
+32 2 351 1962
www.gentec-benelux.com