NOVACURE® 2100

Ultraviolet/Visible Spot Curing System

- Power
- Precision and Control
- Repeatability

The Novacure® is the only system on the market that delivers all the benefits of UV and visible spot curing. Power, precision, control and repeatability are ensured for each and every cure, thanks to the Novacure's® patented technology, built-in system intelligence, sophisticated monitoring, control and reporting features.

EXFO

Ultraviolet/Visible Spot Curing System

Precision Technology That's Light Years Ahead

Power

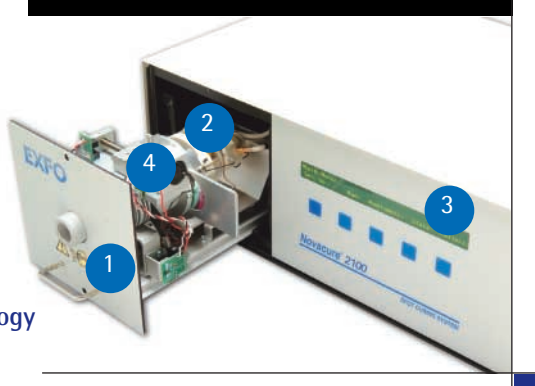
The Novacure® delivers over 20,000 mW/cm^2 of curing power for stronger, faster, deeper cures. Ideal for the widest range of applications, the Novacure® provides improved quality, increased production and reduced costs.

Precision & Control

Using the Novacure's® easy-to-follow, menu driven controls, users can define and set parameters such as intensity, dose, operation mode, exposure time and dwell time, for up to four separate types of cures. Alternatively, users can request the optional StepCure® feature. This unique option allows a single cure to be automatically executed in two to four consecutive steps, each with different user-programmable parameters.

Repeatability

The sophisticated technology EXFO has built into the Novacure® ensures optimum light delivery for every cure. A daily calibration procedure measures output at the light guide's tip using an on-board radiometer. The patented closed-loop feedback system continuously monitors light output at the source, signaling a microprocessor controller to adjust the unit's output to the light guide to maintain consistent intensity levels.

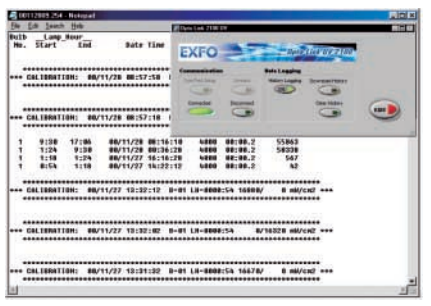


1. **Pull Out Drawer**
   Convenient pull out drawer makes lamp and filter changes fast.

2. **Intelli-Lamp™ Technology**
   Intelli-Lamp™ delivers optimum lamp performance. Extended life feature provides 2000 hrs of lamp life.

3. **Control Display**
   User friendly, flush-mounted keypad and 40-character, 2-Line display for fast and easy programming.

4. **Optical Feedback Loop**
   Measures output at a source to set control system, ensuring repeatability.



Process Validation and Reporting

The Novacure®'s comprehensive reporting system delivers complete process validation. Using the software provided with each unit, key information, such as internal calibrations, accumulated lamp hours, requested intensity and number of exposures can be compiled for quality assurance reports, downloaded to a PC and printed.

Automated Control System

The optional ACS 1000 module provides real-time PC control to your Novacure® 2100 system. Activate exposures, check unit status, set time or intensity via RS232 or Ethernet communication using the Windows based software. The ACS 1000 even provides its own process validation.

Features	Benefits
Typical power output: 20,000 mW/cm^2	**Versatility:** Delivers the intensity and power required for optimized UV and visible light curing for a broad range of industries
Microprocessor controlled exposures with closed-loop feedback system	**Exposure Control:** Unit automatically monitors and maintains settings for repeatable exposures
Shutter and exposure verification alarms	**Confirms Process:** ensures repeatability and quality control
Built-in radiometer for calibration	**Ensures** operating integrity at light guide tip
User friendly Opto Link® 2100 software: download operation history to a PC	**Process** validation, monitoring and reporting
Intelli-Lamp™ System: controls cooling and monitors lamp hours	**Maintains** optimum operating temperatures, stable lamp output and longer lamp life
Hot lamp strike prevention	**Protects** lamp life
Slide out drawer	**Fast** lamp and filter replacement
Finger touch control panel with comprehensive LCD display	**Easy** to use
Remote operation using 15-pin connector (standard)	**External** control for automated applications
Optional StepCure®: multiphase curing	**Each phase** user-programmable for optimized curing profiles
Optional feedback control with multi-legged fiber light guides	**Real-time** control using end of light guide measurement
CE marked; certified to IEC, Canadian and US standards	**Ready** for use worldwide

EXFO carries a full line of replacement parts, supplies and accessories. Our team of light-based technology experts can recommend a light delivery system for any spot curing challenge.

Light Delivery

EXFO offers flexible, liquid-filled light guides in a variety of lengths, tip sizes and configurations to suit most customer needs. Single or multi-legged fused silica fiber guides and a family of optical accessories that meet virtually any assembly challenge are also available. **EXFO** welcomes custom requests for unique light delivery requirements.

Flexible Spectral Output

Meet unique spectral requirements with the right bandpass filter. EXFO supplies a variety of filters that allow enhancements to cure characteristics and output refinements for specific conditions, such as protecting heat sensitive substrates.

Filter Options
- 250-450 nm
- 320-390 nm
- 320-500 nm
- 365 nm
- 400-500 nm

Specifications

Lamp:	High Pressure 100 Watt Mercury Vapor Short Arc
Lamp Life:	2000 hours typical in extended life mode, 1000 hours typical in standard mode
Removable Filters:	Standard: 320-500 nm / Optional: 250-450 nm*, 365 nm, 320-390 nm, 400-500 nm *Must be used with extended range or fused silica light guides.
Power Supply:	High efficiency, switch mode, constant power output, auto range selection 90-132 and 180-264 VAC, 47-63 Hz
Warm up Period:	3 minutes (typical)
Microprocessor:	User friendly, menu driven software prompts and accepts application parameters (exposure time, intensity and/or dose) and ensures correct values are maintained
Keypad:	5-button, flush-mounted, tactile; with protective overlay
Display:	2 lines x 40 characters (each character 5x9 pixels); backlit LCD with contrast control
Dimensions:	L x W x H 17.22″ x 11.21″ x 5.84″ 43.74 x 28.47 x 14.83 cm
Weight:	20.75 lb. / 9.4 kg
Includes:	Lamp module, standard bandpass filter, protective eyewear, grounded and shielded power cord, foot pedal, radiometer adapters (3 mm, 5 mm), spare I/O connector with pins, PC software, hexcap ball driver and manual
Optional:	StepCure® feature; multi-legged fiber light guide feedback control
Warranty:	1 year, parts and labor (excluding lamp and light guide)

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

The EXFO Photonic Solutions Inc. quality system has been registered to ISO 9001-1994 (#003017) by QMI. Protected by U.S. Patent # 5521392.

Contact

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept amy interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information cantained 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. Units of measurement in this document conform to SI standards and practices.
Contact EXFO for prices and availablity or to obtain the phone number of your local EXFO distributor.
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