Acticure® 4000

Ultraviolet/Visible Spot Cure System

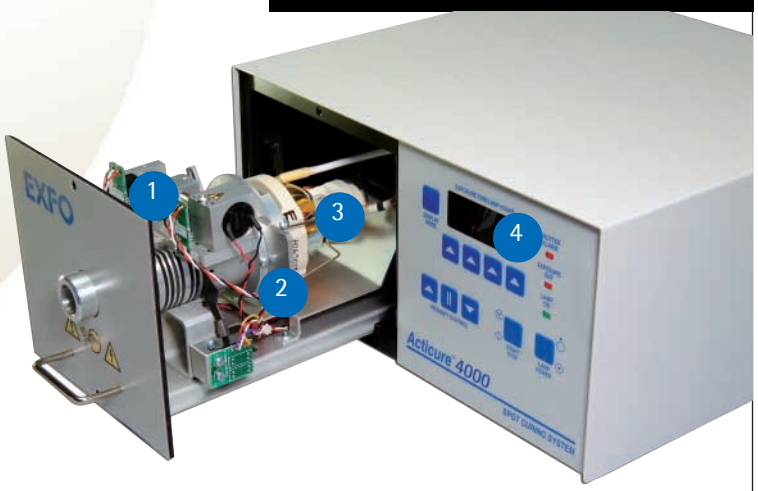
- Intensity Adjustment and Locking
- Internal Feedback Control
- Remote Operation

The Acticure® 4000 delivers outstanding versatility for automated or manual precision assembly. Featuring automatic set-point control, the sophisticated intelligence of the system locks in user-selected settings, then continuously monitors and maintains them, ensuring both quality and repeatability.

Ultraviolet/Visible Spot Curing System

EXFO

Precision Technology that's Light Years Ahead



1. **Optical Feedback Loop**
   Measures output at source for set point control ensuring repeatability.

2. **Optical Filters**
   Filters available for virtually any application. Pull out drawer makes changes simple.

3. **2000 hour lamp life**
   Intelli-Lamp® technology extends lamp life and delivers optimum performance

4. **Menu/display**
   User friendly menu and comprehensive display for easy unit operation and maintenance.

Intelligence

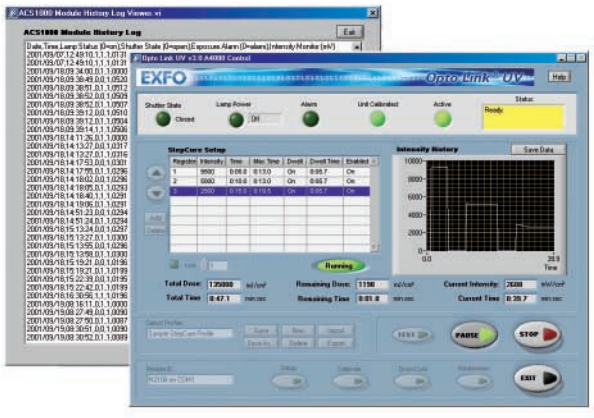
Intelli-Lamp® technology maintains optimum operating temperature for stable output and longer life. Dual fan configuration and an IC chip optimize lamp performance by minimizing lamp degradation, controlling, cooling and monitoring lamp hours.

Versatility

The Acticure®4000's high output power delivers the necessary intensity for optimized UV and visible light curing in a broad range of industries and applications. Optical filters are available for virtually any application.

Repeatability

The sophisticated technology EXFO has built into the Acticure®4000 ensures repeatable light delivery for every cure. The optical feedback loop measures output at the source for automatic set point control. The system lets you select the required output levels, then locks settings in and continuously monitors and maintains them, ensuring repeatable exposures.



Automated Control System

The optional ACS 1000 module provides real-time PC control to your Acticure®4000 system. Program StepCure® profiles, activate exposures, check unit status via RS232 or Ethernet communication using the Windows based software. For added value, the ACS 1000 provides process validation to the Acticure®4000.

Features	Benefits
Typical power output: 20,000 mW/cm²	**Versatility:** Delivers the intensity and power required for optimized UV and visible light curing for a broad range of industries and applications
Intensity adjustment and locking; internal feedback control	**Exposure Control:** Unit automatically monitors and maintains user-selected settings
Shutter and exposure verification alarms	**Confirms Process:** Ensures repeatability and quality control
Hot lamp strike prevention	**Protects** lamp life
Finger touch control panel with LED display	**Easy** to use
Intelli-Lamp® technology	**Maintains** optimum operating temperatures, stable lamp output, longer lamp life; displays accumulated lamp hours
Slide-out lamp drawer	**Fast** lamp and filter replacement
Foot pedal (standard)	**Convenient** hands free operation
Remote operation using 15-pin connector (standard)	**External** control for automated applications
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 carries a variety of filters that allow enhancements to cure characteristics and output refinements for specific conditions, such as protecting heat sensitive substrates.

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

Specifications

Lamp:	High Pressure 100 Watt Mercury Vapor Short Arc
Lamp Life:	2000 hours (typical)
Removable Filters:	Standard: 320-500nm / Optional: 250-450nm*, 365nm, 320-390nm, 400-500nm *Must be used with extended range or fused silica light guides.
Power Supply:	High efficiency, switch mode, line isolated 90-264 VAC, 47-63 Hz
Power In:	90-132/180-264 VAC / 47-63 Hz / Auto range selection
Warm-up Period:	90 seconds (typical)
Panel Controls:	Display Mode Button, Lamp On/Off, Exposure Time Set (0.2 - 999.9 seconds or manual), Shutter Activate Button, Intensity Lock/Unlock, Intensity Adjustment
Panel Displays:	Accumulated Lamp Usage, Digital Exposure Timer, Lamp On Indicator, Exposure Out Indicator, Shutter Alarm Indicator
Dimensions:	L x W x H, 12" x 11.5" x 5.75", 30.48 x 29.21 x 14.61 cm
Weight:	14 lb. / 6.36 kg
Includes:	Lamp module, standard bandpass filter, protective eyewear, grounded and shielded power cord, foot pedal, shielded interface cable, shutter lubrication and 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

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

Contact

EXFO PHOTONIC SOLUTIONS	2260 Argentia Road	Mississauga (Ontario) L5N 6H7	Tel.: 1 905 821-2600 . Fax.: 1 905 821-2055
TOLL-FREE	Tel.: 1 800 668-8752	Email: bdg.toronto@exfo.com	
CORPORATE HEADQUARTERS	400 Godin Avenue	Vanier (Quebec) G1M 2K2 CANADA	Tel.: 1 418 683-0211 . Fax.: 1 418 683-2170
www.exfo.com			

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