

SUPER SPOT **MAX**™

INTENSE
PERFORMANCE
IN UV CURING

- Split Second Curing!
- Optical Feedback for Process Control
- DataMAX Software for Process Validation
- Stainless Case
- Compatible with *FibreFire* Lightguides
- MultiCure cycling for Heat Control
- CE Certified
- Available in standard MAX and MAX HP (High Power)



ONLY FROM
LESCO™
LIGHTWAVE ENERGY SYSTEMS CO., INC

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SUPER SPOT **MAX**™ & **MAX HP**™

The *Super Spot MAX* is a precision-built, ultraviolet light source designed to deliver extremely high intensity and the most regulated area spot of UV and visible energy through a lightguide. The **MAX HP** (High Power) is built on the same hardware & software platform as **MAX**, but designed to deliver the most extreme UV and visible spot area energy / intensity ever achieved.

Applications: The *LESCO MAX* is ideal for any spot curing application where high UV intensity at highest regulation is required for process speed improvement, regulatory compliance, and superior cure strength. It is perfect for curing adhesives, coatings, inks, and other UV curable materials where physical location and cure area dictate the use of a discrete Fiber Optic UV delivery system.

The **MAX HP** is recommended for very high speed process lines and specialty applications requiring either extreme intensity or split second cure times with superior cure strength. It is particularly useful for fully automated applications. Because of the extreme intensity, *LESCO* only recommends the use of FibreFire Fiber Optic UV delivery systems with **MAX HP**.

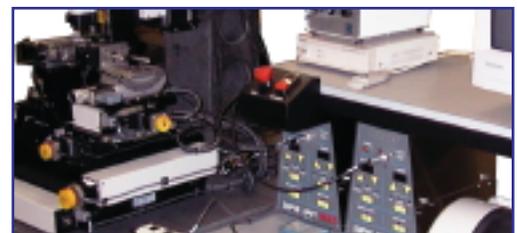
Specifications:

	MAX	MAX HP
UV Output:	UVA Peak (@ 315-400nm) 25,000 mW/cm ² UVA Rated (@ 315-400nm) 20,000 mW/cm ² Total Intensity (UVA, B, C, V) 30,000+ mW/cm ²	UVA Peak (@ 315-400nm) 30,000 mW/cm ² UVA Rated (@ 315-400nm) 25,000 mW/cm ² Total Intensity (UVA, B, C, V) 45,000+ mW/cm ²
Lamp:	Mercury vapor, 100 Watt DC short arc	200 Watt DC short arc.
Lightguide:	LF (Liquid Filled) or FO (Fiber Optic)	Hi Temp FO (FiberFire)
Dimensions:	8.5" x 11" x 13.5" deep. Weight: 20 lbs.	8.5" x 11" x 13.5" deep. Weight: 20 lbs.
Spectral Output:	VIS / UVA / UVB / UVC. Major peaks @ 365nm, 254nm, 302nm, 312nm, & 405nm. Filterable.	
Controls:	On/Off, Auto Manual/Timer, Variable Cure Cycle/Dwell, Intensity Adjust, Remote I/O, RS 485.	
Optical Feedback:	<i>LESCO</i> 's Closed Loop Optical Feedback Circuit monitors lamp intensity in real time and automatically adjusts the lamp power supply to maintain consistent lamp (UV) output. The output remains constant throughout bulb life (1000+ hours operating) regardless of electrical, mechanical, or focusing variables.	
Displays:	On/Off, Output Intensity, Dosage, Cure Time, Cycles, Shutter On, Lamp Power, Lamp Hours, Power Alert.	
Power Supply:	Bi-level, solid state switching power supply. Power input: 90/265 VAC (selectable), 45/64 Hz. Lamp idles at 66% power. Power rises to desired limit when shutter is open.	
Filter:	IR filter before focal point standard. (Other filters optional)	
Timer:	Digital, variable dwell, 0.1-99.9 seconds, remote actuated footswitch, customer provided input, or RS 485 command.	
Warranty:	Materials & Workmanship – One year. Lamp – 1000+ hours.*	

LESCO UV Lamp Advantage: We hand-fabricate our UV lamp bulbs one at a time to proprietary design specifications. The result is the **ONLY** high intensity spot cure lamp with a full 1000 hours minimum **useful** life warranty.*

*Pro Rata -over 2000 hrs. typical "light" life, but useful life defined at minimum 50% of initial rating- see warranty details on (separate) warranty information sheet.

High Intensity at work: Extreme UV intensity, such as available from *LESCO MAX* and **MAX HP** spot cures, can cut assembly process times as much as an order of magnitude. **MAX HP** can deliver the same total dose of a 10 second conventional spot cure exposure in a fraction of a second! Allowing for the accompanying Dark Cure benefit (see *LESCO White Paper*), the bonds are not only faster, but stronger.



LESCO Spot Cure Accessories

LIGHTGUIDES

- FiberFire Fiberoptic (FO) guides
- Liquid Filled (LF) Lightguides
- RingLite Circular Lightguides
- Custom Fabricated Lightguides



RADIOMETERS



- LESCO UVA Spotcure Radiometers
- UV MAP/UVCURE/MicroCURE
- UV PowerPuck
- Custom

QUARTZ CALIBRATION FIXTURES

- Confirms True Spot Cure Intensity!
- For evaluation of LG condition



FILTER SETS



- Visible, UVA, A/B/C/Vis, etc
- Quick Interchangeability
- Perfect for R&D
- Fits all late model LESCO Spot Cures

OTHER ACCESORIES

- UV Safe Enclosures
- Foot Switches
- Spare Bulbs & Reflectors
- Range Extender - *doubles Intensity Range!*
- Safety Glasses
- Re-warranty & PM Services

Email for a **FREE** application evaluation to "sales@lescouv.com"

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