SUPER SPOT

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

*W W W . l e s c o u v . c o m*23555 Telo Ave. ◆ Torrance, CA 90505

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/cm² UVA Rated (@ 315-400nm) 20,000 mW/cm² Total Intensity (UVA, B, C, V) 30,000+ mW/cm²	UVA Peak (@ 315-400nm) 30,000 mW/cm² UVA Rated (@ 315-400nm) 25,000 mW/cm² Total Intensity (UVA, B, C, V) 45,000+ mW/cm²						
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	n, 302nm, 312nm, & 405nm. Filterable.						
Controls:	On/Off, Auto Manual/Timer, Variable Cure Cycle/Dwell,	Intensity Adjust, Remote I/O, RS 485.						
Optical Feedback:	LESCO'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, Shutt	ter 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 actual command.	ted footswitch, customer provided input, or RS 485						
Warranty:	Materials & Workmanship – One year. Lamp – 1000+ I	nours.*						

LESCO UV Lamp Advantage: We hand-fabricate our UV lamp bulbs one at a time to proprietary design specifications. The result is the ONLY <u>high</u> 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.



DataMax TM Process Validation Software

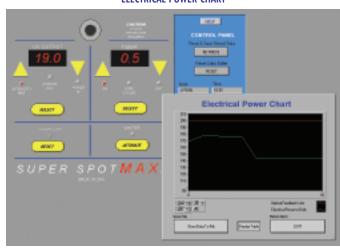
LESCO MAX systems are configured with custom EPROM's allowing use of **DataMax Process Validation Software**. This software provides full real time data acquisition of user calibration events (NIST) and date/time stamped cure data (intensity, time, cycles, dosage, power, & alarm). Data can be stored or exported via RS 485 interface in standard (i.e. ACSII) formats. Remote access and programming: **DataMax** software also provides complete remote status <u>and</u> control functions for up to 99 **MAX** systems from a single host computer! Up to 16 routines of 16 stages each. Can be easily and quickly programmed and selected. allowing fo multisequence operation and flexible manufacturing. **DataMax** allows compliance with latest ISO, PDA, and GMP process validation requirements.

DATA HISTORY TABLE

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Data History Table can be selected by a pull down menu.

ELECTRICAL POWER CHART



It even prodives bulb power data to aid PM scheduling.

FibreFire ™ Fiber Optic Lightguides

LESCO supplies both Liquid Filled (LF) and Fiber Optic (FO) lightguide designs. FO guides, such as *LESCO*'s proprietary FibreFire line, are an ideal mate to both **MAX** and **MAX HP**. Long lasting and capable of extremely long run lengths, FibreFire is available in single, bifurcated, trifurcated or quad splits, and a wide array of standard round, oval, line or angled tip designs. Varying combinations allows full 360 degree coverage of intended cure sites in almost any application. And unlike conventional lightguides, FibreFire guides can be dozens of meters in length without excessive intensity drop.





LESCO routinely designs and custom fabricates FibreFire FO's for customer's special needs. Call us with yours!

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
- Range Extender doubles Intensity Range!
- Foot Switches
- · Safety Glasses
- Spare Bulbs & Reflectors
- Re-warranty & PM Services

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

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W W W . l e s c o u v . c o m 23555 Telo Ave. • Torrance, CA 90505

Phone: 310-784-2930 • Fax: 310-784-2929 • TOLL FREE: 1-800-61-LESCO