IUV101 LED UV Spot Lamp for Handheld UV Light Curing

Description

Also available to buy online at intertronics SHOP

The handheld **IUV101 LED UV Curing Spot Lamp** offers portability, precision and power for concentrated curing of UV Light Curable Adhesives. High intensity LEDs generate curing energy that can focus UV light precisely on the spot where the adhesive is to be cured, aiding accuracy and control. Each spot lamp comes with a pair of safety glasses included.

Features & Benefits

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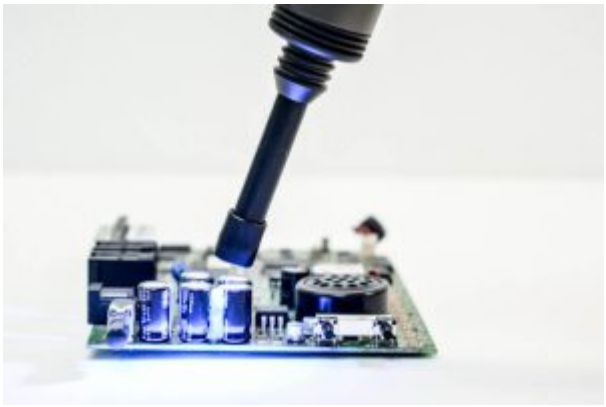

- Consistent high intensity of up to 2,000 mW/cm^2; quickly cures a variety of materials
- Handheld and easily portable
- Instant on/off; no warm-up period
- Everything you need to get started comes in the box, including safety goggles

Applications

The IUV101 is solely intended for use in industrial environments, such as workshops, assembly lines and laboratories. Applications include:

- Glass assembly and bonding
- Wire tacking
- Electronic component ruggedisation
- Lens and optical bonding

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- Curing of UV polymers for other applications
- Non-destructive testing
- Fluorescence excitation

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IUV101 Starter Kit

To get you going along the path to a near instant, “on demand” adhesive bonding process, the **IUV101 Starter Kit** is available. Containing the **IUV101 LED UV Spot Lamp** and three popular, multi-purpose compatible LED UV curing adhesives in 10g syringes, you can tackle many different bonding projects. The kit also contains consumables and PPE – everything you need to get going.

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- **Dymax 6-621** -A clear, high tensile strength adhesive that bonds multiple substrates and cures using UV and/or visible light with a secondary heat cure. Good for glass, metal and many plastics.
- **Dyamx 3069** -An adhesive designed for the rapid bonding and laminating of a variety of flexible and rigid plastic substrates.
- **Dymax 9-911** – Wire tacking and structural adhesive with excellent adhesion to PCB materials, components and wire insulation.

All component parts of the kit are readily available separately.

Medical device bonding – Evaluation Kit

The IUV101 starter kit is also available as an medical device adhesive evaluation kit. Including a selection of ISO 10993 approvaed Dymax adhesives, the kit contains everything you need to start working with this enabling technology for medical device bonding.

Specifications

Specification	
Wavelength	370nm (suitable for adhesives and polymers responding to 360nm – 380nm)

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Specification	
Intensity	Up to 2,000mW/cm^2
Lens diameter	8mm
LED type	20W
LED service life	Up to 15,000 hours
Internal operating voltage	5VDC
Dimensions (WxHxD)	145 x 135 x 30mm
Weight	350g
Operating temperature	+ 10 up to + 35°
Rel. humidity	<75% (<30°C) <50% (>30°C)
Operating altitude	Max. 2,000m
Storage temperature	-10 up to +60°C
Power supply	110-240 VAC 50-60 Hz

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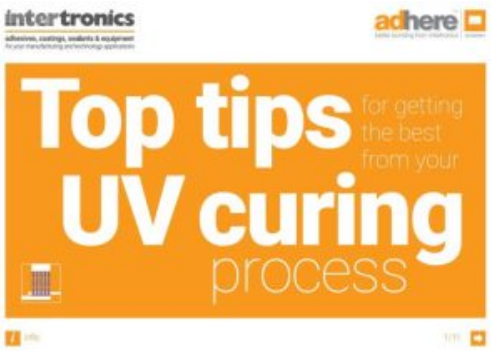
Other Information

	Top Tips for getting the best from your UV curing process Read through our easy-to-follow guide on UV curing to maximise your processes productivity.

Find out more about the technology behind the **IUV101** by reading our technical bulletins and white papers**:**

- **Sustainability Benefits of LED UV Curing**
- **UV Curing and Tack-Free Cures**
- **Achieving Better Process Controls with Light Cure Technology**
- Advances in Light Curing Adhesives and Coatings Lead to Process and Quality Benefits in Electronics Manufacturing

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Ordering Information

Part number	Description
IUV101	IUV101 370nm LED UV Spot Curing Lamp Includes safety eyewear
IUV101KIT	IUV101 370nm LED UV Spot Curing Lamp KIT Includes: 1 x DYM6-621 10g, 1 x DYM3069 10g, 1 x DYM9-911 10g, 2 x ADH 1610, 1 x FISQK-NSK and safety eyewear

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Let’s start by talking about your application

 01865 842842	 orders@intertronics.co.uk

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

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Tell us about your application

Any information that you submit using this form will be processed according to our privacy policy.

Phone

This field is for validation purposes and should be left unchanged.

Submit

Supplied by:

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