



# LED UV Curing System

SPOT *-Matrix* SERIES



## Overview

- Customized Irradiation area
- Powerful & Stable UV irradiation
- Intensity adjustable
- Efficient head cooling design
- No thermal distortion
- Multi-head option
- Light source lifetime: 20,000 hours
- Easy installation & operation
- Energy efficient & Environmental friendly

## Applications

- Precise optics bonding
- UV glue & printing curing
- LCD UV curing
- Large scale UV irradiation processing
- Medical equipment fine bonding & curing
- Ideal for applications where minimum heat and curing distortion are critical

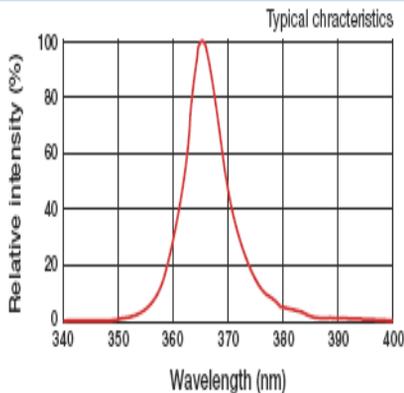


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## Features

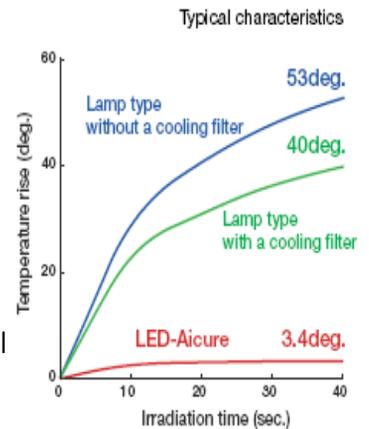
### 365nm pure UV light source



Wavelength options: 365nm, 385nm, 395nm, 405nm, 460nm

### No thermal effects

No infrared induced thermal effects of work pieces. Ideal for high precision bonding with minimum thermal distortion.



### Single & Multi – head option



Provide single to customer defined head numbers. Multi-channel control available with single controller.

### Customized Irradiation Area

UV irradiation area can be tailored by head selection and configuration. Offer most flexibility to best meet application needs.



### Stable UV irradiation

Efficient cooling design of the head for stable UV output guarantee. Minimize potential UV power degradation induced by LED temperature rising. Critical for applications where long-time irradiation is desired.

### Energy efficient

Significant energy saving than mercury arc lamp curing systems. Total consumption is less than 30W for 4 LED heads working at the same time.



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### Environmental friendly

LED technology provides mercury-free clean energy for UV light curing in industrial applications. ETI SPOT Matrix is CE and ROHS compliant.



### Easy operation

- LCD front panel display
- Power & Time setting
- Lock option
- Foot pedal or front panel control
- Multi-channel selection

## Specifications

|                                  |  |
|----------------------------------|--|
| Product Model                    | ETI – SPOT Matrix                                |
| LED Head                         | 1-4 heads default or customer defined            |
| Emit Wavelength                  | 365 ± 5 nm. (Other wavelength available)         |
| Cooling Method                   | Air-cooling or Water-cooling                     |
| Front Panel Display              | LCD  |
| Irradiation Control              | UV power, time & mode setting with lock function |
| External Control                 | Foot pedal & Front panel                         |
| Voltage                          | 100~240VAC 50Hz                                  |
| Power Consumption                | <30VA  |
| Operation Temperature & Humidity | 0 to 35° C, 85% max                              |
| Storage Temperature & Humidity   | -10 to 60° C, 85% max                            |