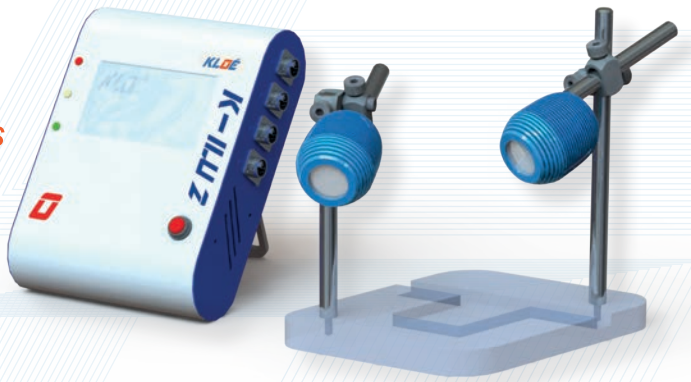
K-ILU 2

UV-LED curing adhesive system



The K-ILU 2 system is a **compact UV curing system**, *based on 365nm +/- 5nm emitting LED's, designed for the curing of UV adhesives in applications such as* **optical elements assemblies** *(lenses),* **optical pigtailing** *(optical fibers to waveguides),* **laser diodes or photodiodes.**

Small and robust, equipped with **one or more optical heads, collimated or focused**, it is user-friendly, thanks to its touch panel display.

Technological breakthroughs

LED technology

Perfectly **monochromatic** exposure light source

A **cold UV source**, prevents undesirable thermal effects

Possibility to operate in **continuous or pulse mode**

Long lifetime: the uv-led light source is no longer considered as a consumable item.

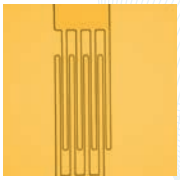
A compact and user-friendly equipment

Can be used outside of a cleanroom

Ergonomic and fully controlled by touchscreen

From 1 to 4 curing heads, controlled **simultaneaously** or **independently**

Related applications



Microelectronics

Photonics

Micromechanics

K-ILU Z

UV-LED insolator high power density

Performances

Power density	Focused: 100mW/cm² +/- 5% Collimated: 35mW/cm² +/- 5%
Number of programmable cycles	8
Maximum exposure time	Continuous mode: 10min Flashing mode: 40min/h
Working distance	Focused: 40mm Collimated: 100mm
Maximum divergence angle	4° +/-1°

UV-LED source

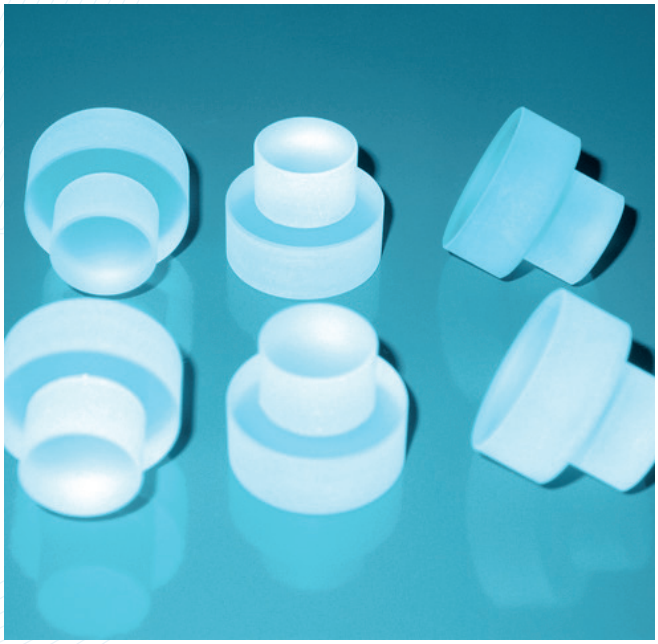
Wavelength	365nm +/- 5nm
Homogeneous exposure	+/- 5%
Lifetime of the LEDs	> 10 000 hours
Variability of UV source intensity	0 to 100%

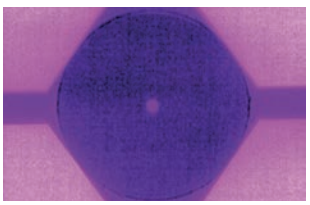
Working/Writing surfaces

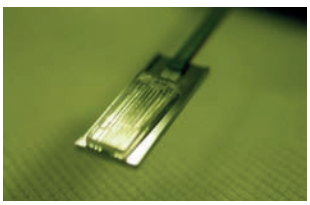
Exposure area diameter	Focused: 12mm Collimated: 20mm

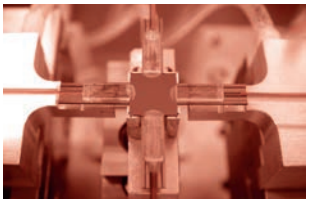
Other features

- Number of curing heads: from 1 to 4
- Beam features: focused or collimated
- Power supply: 100V/240V - 50Hz/60Hz









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