K-LU 2

UV LED spot curing system

For ponctual adhesives curing

Perfectly monochromatic at 365nm +/- 5nm

Collimated or focused beam

High power density

Low divergence angle: < 4° +/- 1°

Program memory by touchscreen

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K-ILU 2

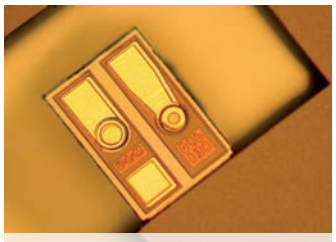
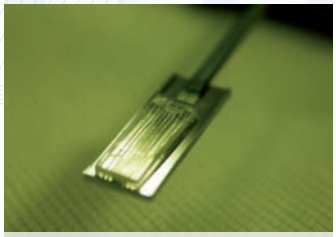
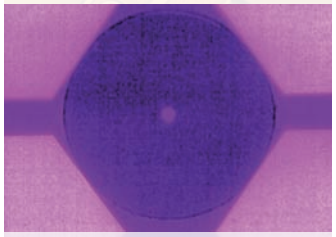
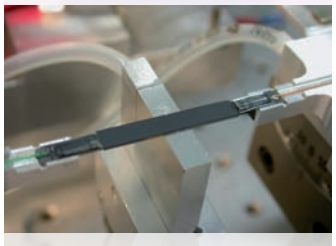
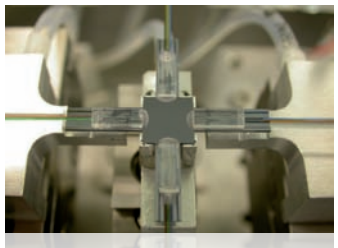
UV LED spot curing system

The K-ILU system is a compact UV curing system, based on 365nm +/- 5nm emitting LED's. This equipment is ideal for the local curing of UV adhesives or UV photopolymerization of photoresists (optics, microelectronics and medical devices...).

Features

- The K-ILU system is designed for the curing of UV adhesives in applications such as :
  - Optical elements assemblies (lenses...)
  - Optical pigtailing (optical fibers to waveguides)
  - Laser diode or photodiodes
- The UV LEDs emit a perfect monochromatic light, at 365nm +/- 5nm, and provide a cold UV exposure, thereby eliminating undesirable thermal effects
- Two curing modes are available:
  - Continuous mode
  - Flash/cyclic exposure mode (recommended for very low shrinkage curing process)
- This guarantees enough time for the adhesive bond to relax between exposures, thus reducing mechanical strain and minimizing any risks of cracking

Performances

- Perfectly monochromatic exposure (±5nm), higher curing efficiency
- Pure cold UV curing (no IR/thermal effects)
- Long LED lifetime: more than 10.000 hours of controlled real time use
- Fully configurable parameters (light source intensity, exposure duration, cycle...)
- Registration of parameters available
- Exposure modes available: continuous or cyclic mode
- Compact design and low consumption
- The UV curing heads compatible with other systems equipped with an M3 socket

K-ILU SPECIFICATIONS	K-ILU 2	
Emission spectrum	365nm ± 5nm	
Beam features	collimated	focused
Work distance	100mm	40mm
Exposure area diameter	20mm	12mm
Maximum divergence angle	4° +/- 1°	-
Number of curing head	1 to 4 independants	
Maximum exposure time	continuous mode: 10 min flash mode: 40min/h	
Variability of UV source intensity	0 to 100%	
Program Memory	8	
Program	by touch screen