

UV-KUB 9

UV-LED insulator high power density

*The UV-KUB 9 is a **UV-LED high power curing system** emitting a high power density, homogeneous and monochromatic illumination ($250\text{mW}/\text{cm}^2 \pm 5\%$) at 365nm.*

Dedicated to **wafer bonding**, **temporary bonding** and **blue tape curing applications**, it enables to perform curing sequences within a few seconds in complete safety and with no ozone emission.



Technological breakthroughs

LED technology

Perfectly **monochromatic** exposure light source.

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

A non-collimated source homogeneous at $\pm 5\%$ over a working surface of 9 inches.

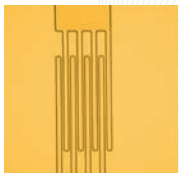
Long lifetime: the uv-led light source is no longer considered as a consumable item.

A safe and user-friendly system

Perfect protection of the user against any UV exposure while processing, thanks to the manual opening and closing insertion-extraction drawer.

Its use is practical, easy and **does not require a cleanroom environment**.

Related applications



Microelectronics



Photonics



Surface functionalization

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Performances

Power density	250mW/cm ² +/- 5%
Number of programmable cycles	10
Exposure cycle (continuous or cyclic)	From 1s to 1h
Exposure time for blue tape curing	ADWILL D650: 15sec ADWILL D175 P370: 45sec

UV-LED source

Wavelength	365nm +/- 5nm
Homogeneous exposure	+/- 5%
Lifetime of the LEDs	> 10 000 hours

Working/Writing surfaces

Accepted wafers	4", 6" or 8" wafers
Dicing mainframes	7" for 6" wafer, 9" for 8" wafer
Substrate warm-up during exposure	< 2°C

Other features

- Size: 350(L) x 410(W) x 355(H)mm
- Weight: 22kg / 48lbs
- Colour touchscreen: 5,7" diagonal
- Power supply: 100V/240V - 50Hz/60Hz
- Consumption: 800W

