

LITE UVLED

[SNAPCURE]

ADVANCED ULTRA VIOLET CURING SYSTEM



CURING IN SECONDS

HIGH-EFFICIENCY UV TECHNOLOGY.

The UV Irradiation Source has world best efficiency using high power UV LED panel. It is available either as UV single frequency or as multi-frequency spectrum from 265 nm toward 405 nm.

The High-Performance Flat Panel Light UV Source is integrated into our Lite Modular System. To meet different production needs, a simple but flexible control system for transport conveyors and a range of options and accessories is built in.

To match various PCB/carrier form factors, our control management system provides high operational flexibility. Further optional accessories are available to deploy monitored processes and data exchange with your MES/FIS.

UNIQUE CONCEPT & SIZE

CONFIGURATION

- 2 power irradiation outputs.
- Combined frequencies 265 nm => 405 nm.
- Simple setup & over time stable process configuration.

PRODUCTIVITY

- Super-fast curing approx. 10 seconds.
- Lamp lifespan: approx. 20.000 hours equivalent to 1.000.000 production hours.
- Maintenance free ≡ Highly attractive COO/TCO.

FULL INTERCONNECTED TRACEABILITY [SMARTBOX] OPTION

- Process Tracker embedded software platform with on demand communication & KPI definition.
- Live process parameters log.
- Embedded trend analysis.

OPTIMIZATION

- Energy efficient.
- Eco-friendly.

[SNAPCURE]

[WORLD'S BEST EFFICIENCY]

FACILITY REQUIREMENTS

Dimensions (WxDxH)	900 x 1280 x 1648 mm
Approx. weight	500 kg
Voltage	230 VAC
Transmission type	Chain or belt conveyor
SMEMA height	940-965 mm
Power	7 kW
Flow direction	L -> R R -> L
Fixed rail	1 front rail
Signal	SMEMA
Edge clearance	5 mm
Return conveyor	Optional

TECHNICAL DETAILS

- **Curing Area:** 500x400 mm.
- **Curing Side:** Top or/and bottom.
- **Curing Distance:** Up to 150 mm.
- **Lamp:** Efficient impingement lamp cooling system.
- **Power Intensity:** 300mW/cm² at 50 mm distance from substrate.
- **Cooling method:** Fans cooling.
- **No warmup required.**
- **Lamp lifespan:** approx. 20.000 hours equivalent to 1.000.000 production hours.
- **Electric Power Consumption:** 1800 W.
- **Patented curing technology.**

FEATURES

NO INFRARED RADIATION



Cold light source, suitable for curing all kinds of heat-sensitive materials.

Lamp Controller

- Panel Display: LCD operation.
- Power: 0-100% adjustable.
- Temperature monitoring.

OPTIONS

LED RADIATION SOURCE

- **Power output:** GEN 3 or GEN 5.
- **Single peak frequency:** 365, 385, 395, 405 nm.
- **Multi frequency:** UVC + UVA Spectrum & IR.

RADIATION PANEL DIMENSION

- **Standard:** 250 x 400 & 400 x 500 mm.
- **On demand:** from 50 x 50 to 800 x 500 mm.

MULTI-WAVELENGTH

- **365 nm / 385 nm / 395 nm / 405 nm**
- **UVLED Lamps:** 254 nm -> 805 nm.

// APPLICATION

Cure of any UV curable materials including conductive, structural bonding and dielectric materials, coatings, gel, thermal dissipation materials and inks.

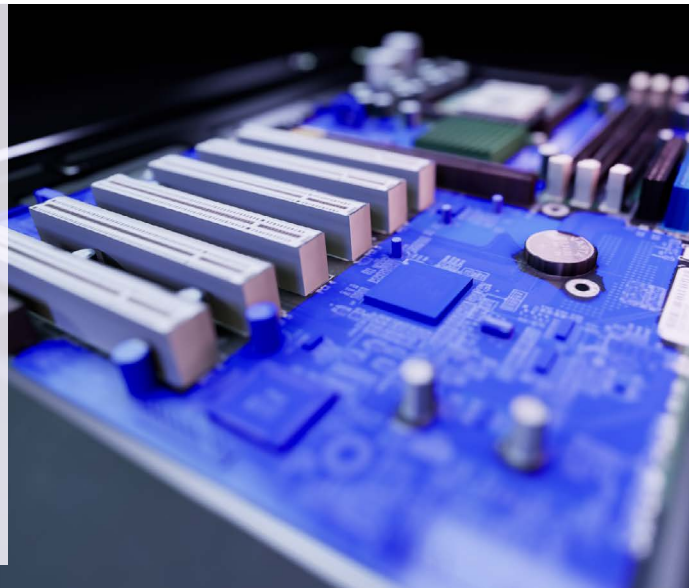
[SNAPCURE]

[WORLD'S BEST EFFICIENCY]

HIGH EFFICIENCY ENVIRONMENTALLY FRIENDLY ALTERNATIVE TO MERCURY LAMPS.

// ADVANTAGES

- UV dose simple-production concept.
- Process stability and repeatability are assured with a minimal number of parameters.
- Full board area covered within one shot – uniform coverage: no wrinkles, no shadows.
- No reflector, longer lamp lifetime.
- UV irradiation head with powerful LEDs – covers full board area.
- Efficient curing area up to 800 x 500 mm at a distance of 10 to 400 mm.



// PROCESS MONITORING OPTIONS

- » Lamp temperature / product temperature.
- » Cabinet temperature & humidity.
- » Radiation delivered power output.
- » Radiation frequency recording.
- » ESD level.
- » Others on demand.



Thanks to our, **[SMARTBOX]** all recorded data can be shared with an MES/ FIS environment and displayed through our embedded Process Tracker, providing enhanced process capability visibility via a local KPI display system.



THIS RADIATION SOURCE HAS WORLD'S BEST EFFICIENCY

GLOBAL NETWORK



 PART OF INCORPORATECHNO

WWW.MSTECHCORP.EU

FACTORYCENTER
BARCELONA - SEOUL

BUSINESSCENTER
AMERICA - EUROPE - AFRICA - ASIA

TESTCENTER
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