

Majors strengths

- A perfectly monochromatic exposure over the wafer surface area, with a bandwidth lower than 10 nm.
- Cold UV exposure.
- Divergence angle of the light $< 2^\circ$.
- A strong power density.
- Long LED lifetime : more than 10 000 hours equivalent to 8-10 years of use.
- User-friendly touch screen interface for exposure cycles programming (continuous or cyclic exposure).
- No warm-up time required.
- Computerized control of UV source intensity adjustment is intuitive and straight forward.
- Automated wafer loading and unloading system.
- Low power consumption.
- Usable with glass and plastic mask.

A device adapted for Soft-lithography applications

- With $2\mu\text{m}$ resolution, the device is particularly well tuned for softlithography applications.
- The exposure in flash mode enables to reduce the internal mechanical stress.
- Its little size enables to install it everywhere you want, especially out side a clean room.

Safety & protection

The device is not heating and the UV light is kept inside without injuring for the user.

Warranty

Warranty 1 year.



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They trust us



▶ SoftLithoBox®

UV LED Exposure and Masking System

▶ FEATURES

UV LED system

This UV system is a UV LED exposure and masking system with available light sources at wavelengths of 365 nm or 385 nm.

This is a very compact table-top system capable of exposing a wafer surface area of up to 4 inches in diameter. This UV system is compatible with hard (physical) or soft (proximity) masking contacts, and features variable mask to substrate distance control.



▶ SPECIFICATIONS

Weight	8,2 kg (18 lbs)
Power	180 W
Power supply	110V or 230V ; 50 Hz
Dimension (HxWxD)	260x260x260 (in mm)
Emission spectrum	365 nm \pm 5 nm / 385 nm \pm 5 nm
Resolution	2 μm
Illumination UV power	23,2 mW/cm ² \pm 10%
Exposure time	From 1s to 18 hours
Time resolution	1s
Number of memorized cycles	10

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