TOPSELLER

Fully- & Semi-Automatic UV-Irradiation Systems

RAD-2010F/12
RAD-2010m/12

- High precision UV-irradiation
- Automatic illuminance-control
- Uniform full-surface UV-irradiation
- Smooth and safe operation

LINTEC Corporation

RAD-2010F/12: FULLY-AUTOMATIC UV-IRRADIATION SYSTEM

High precision UV-irradiation

Fully-automatic, highly precise and reliable UV-irradiation through optimized illuminance and UV intensity. High-volume throughput is enabled by use of two parallel handling lines inside the equipment.

Automatic illuminance-control

UV-irradiation speed can be set individually and in accordance with the requirements of the selected UV-sensitive tape. A built-in sensor enables constant feedback-control to achieve and maintain uniform UV-lighting output throughout the lamp's service lifetime.

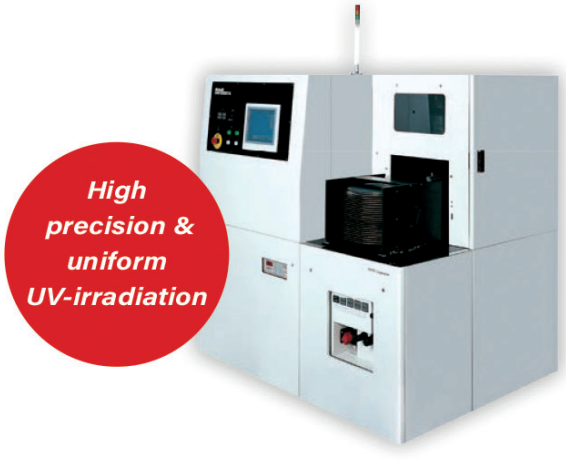
Uniform UV-irradiation

Uniform UV-irradiation across the entire work-piece surface is assured through utilization of a nitrogen-filled / oxygen-absent chamber.

Smooth and safe operation

The central-loading approach greatly facilitates operator-handling and process stability, while significantly stepping up operational efficiency.

RAD-2010F/12 is capable to realize full factory automation by integrating host communication and inline system functions.



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TECHNICAL DETAILS: RAD-2010F/12

UV-source	Ozone-less high-pressure mercury lamp
Illumination setting	≥ 120 mW/cm^2
UV-intensity	Performs exposure dose, checking for each workpiece process
Wavelength	Peak of spectrum at 365 nm
Lifetime	~1,000 h*

*Lifetime is referred to as the time until the light intensity (mW/cm^2) deteriorates to 70 % of the initial performance.

Applicable Frame Sizes	ø300: SEMI Standard ø200: DTF2-8-1
UPH	90 pieces/hour
Applicable Cassette Sizes	ø300: SEMI Standard ø200: MDTC-200-01

RAD-2010m/12: SEMI-AUTOMATIC UV-IRRADIATION SYSTEM

High precision irradiation with constant illuminance
LINTEC's semi-automatic system offers highly precise and reliable UV-irradiation through optimized illuminance and UV-light intensity control.

Automatic feedback illuminance-control
A built-in sensor enables feedback-control to achieve and maintain constant and uniform UV-lighting output throughout the lamp's service life. This configuration makes it highly suitable to match requirements for small- to medium-scale production.

Easy manual operation with just one button
The equipment's central manual loading approach greatly facilitates handling and ensures fast and safe operation.

Quick and uniform irradiation of entire surface
Same as in the fully-automatic version, uniform irradiation of the entire surface is assured through utilization of a nitrogen-filled / oxygen-absent chamber. UV-irradiation speed can be set individually and in accordance with requirements of the applied UV-sensitive tape.

Ideally suited for R&D and small scale production
The systems easy operability, its constant and reliable UV-output, as well as its small foot-print make it perfectly suited for usage in R&D environments, as well as for small scale manual production.

Wafer Size: 300 mm, 200 mm, 150 mm
Optional: 125 mm, 100 mm

Equipment Size:
870 mm (W) x 1,080 mm (D) x 1,185 mm (H)

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FULLY-AUTOMATIC VERSION

STANDARD

- Single cassette loading specification
- Aluminum-mirror specification
- 8“ and 12“ ring-frame loading capability
- Selectable UV-irradiation modes: Entire tape vs. wafer-area only
- Automatic “Retry“ function in case of insufficient UV-intensity
- Automatic marking-stamp on the workpiece after UV-irradiation

OPTIONS

- Handy barcode-reader
- Ring-frame barcode-reader
- UV-calibration set: measuring-jig and UV-meter
- Additional loading-unit ionizer
- Double-cassette loading specification
- “Cross-slot“ workpiece detection function
- UV-selective cold-mirror specification
- Host Communication (SECS/GEM)

Adwill

Tape × Equipment

Contact us.
We look forward to meeting you!

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