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Programmable Dosage Display

With the UV-957, system setup and operation have never been easier! Set the required UV dosage on the digital control panel and press Start. The UV-957 automatically measures and displays the accumulated UV dosage (mJ/cm2) on-line. When the required UV dosage is reached, the display flashes to signal the end of the process cycle.

Multi-functional Digital Display

The UV-957 operator interface is a multi-function Operation Panel with digital process cycle timer, UV irradiation intensity and UV lamp service life displays. The desired UV dosage (mJ/cm2) or irradiation time (seconds) is displayed on-line, as selected on the Operation Panel. When operated in UV Dosage mode, the UV intensity irradiation is monitored and the UV Dosage is displayed in real-time, for process quality assurance.

UV Lamp Service Life Time Meter

The accumulated UV lamp operating hours is displayed, indicating the correct UV lamp replacement interval, thus helping to ensure repeatable UV curing results and simplifying maintenance monitoring.

Compact Desktop Design

A compact system, the UV-957 does not require nitrogen or other special utility hookups, allowing for simple installation. Highly compact, use it anywhere. Just plug it in and it is ready to go.

Safe, Ozone-free UV Irradiation

The UV-957 uses optimized UV irradiation wavelength for the UV curing process. Low-pressure lamps do not require special cooling or nitrogen systems to counteract harmful ozone emissions. The UV-957 provides a safe operating environment and economical utility requirements.

Technical Specifications

Wafer/Frame size	All Standard sizes, up to 12″
Effective UV wavelength	365nm
Throughput	Approx. 30 sec./frame*
Timer	Electronic. Resolution: 1 sec., max. period: 9,999 min
Electrical utility	110 Vac 0r 240 Vac, 50/60 Hz
Power	500W (peak)
Dimensions	(HxWxD) 25x75x55 cm (8″x19″x16″)
	Hight (including cover clearance): 75 cm (29.5″)
Weight	57 kg (127.5.lbs.)

* For silicon wafer, using UV tape requiring curing irradiation of 200 mJ/cm2.
For die sizes <2 x 2mm, ask about our Small Die Option.

- All other countries and general enquiries:
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Visit us on the web: www.eshal.com

UV-957 - 12″ UV Curing System with Dosage Control

General Description

The most advanced system in its class, AE's UV-957 12″ Programmable Dosage Control UV Curing system incorporates sophisticated process monitoring for optimal UV curing processing. Providing secure process control and repeatable UV tape curing for single-frame processing, the UV-957 digital control panel displays all process parameters on-line. The system handles all standard wafer/frame combinations up to 12" on its 420mm diameter UV irradiation window.

Reliable and Accurate with Built-in Process Monitoring Displays

The UV-957 is based on AE's field-proven UV tape curing technology, and goes one step further with its programmable UV dosage mode display and UV lamp service life metering. Just check the tape manufacturer's datasheet, set the required UV curing dosage (mJ/cm2) and the UV-957, with its on-line UV intensity (mW/cm2) monitoring automatically ensures the required amount of UV irradiation reaches the tape.

Simple to set up and operate, the UV-957 uses ozone-free UV lamps, making it operator and environmentally friendly. No special nitrogen or cooling facilities are required, making the UV-957 fully portable and economic to operate.

UV-957 Features-at-a-Glance

- Programmable UV Dosage Control for Process Optimization
- Multi-functional Digital Control Panel
- On-line System Function Display:
    - UV Curing Dosage/Time
    - UV Lamp Status Indicator LEDs
    - UV Irradiation Intensity Meter
    - UV Lamp Service Life Meter
- Compact, Tabletop Design
- Safe, Ozone-free UV Irradiation Source
- Processes All Standard Wafer/Frame Sizes, Up to 12″
- Digital Calibration*

* Requires use of AE UV-365 Radiometer