

## UV-956 Programmable Dosage Control UV Curing System

### The Most Advanced System In Its Class

AE's UV-956 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-956 digital control panel displays all process parameters on-line. The system handles all standard wafer/frame combinations up to 8" on its 300mm diameter UV irradiation window.

### Reliable and Accurate With Built-in Process Monitoring Displays

With the UV-956, system setup and operation have never been easier! Set the required UV dosage on the digital control panel and press Start. The UV-956 automatically measures and displays the accumulated UV dosage ( $\text{mJ}/\text{cm}^2$ ) 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-956 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 ( $\text{mJ}/\text{cm}^2$ ) or irradiation time (seconds) is displayed on-line, as selected on the Operation Panel. When operated in UV Dosage mode, the UV irradiation intensity is monitored and the UV Dosage is displayed in real-time, for process quality assurance.

### UV-956 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 8".







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**Simple To Set Up and Operate**

The UV-956 uses ozone-free UV irradiation, making it operator and environmentally friendly. No special cooling facilities are required, making the UV-956 fully portable and economic to operate.

**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-956 does not require nitrogen or other special utility hookups, allowing for simple installation. Highly compact, use it anywhere. Just plug it in and start working.

**Safe, Ozone-free UV Irradiation**

The UV-956 uses optimized UV irradiation for the UV curing process. AE UV lamps do not require special cooling or exhaust systems to counteract ozone emissions. The UV-956 provides a safe operating environment and economical utility requirements.

**Technical Specifications**

Wafer/Frame size:	All standard sizes, up to 8"	
Effective UV wavelength:	365 nm	
Throughput:	50 frames/hr. •	
Timer:	Electronic, Resolution: 1 sec., max. period: 9,999 min.	
Electrical utility:	110/220 Vac, 50/60 Hz, 100W	
Dimensions:	8" (H) x 19" (W) x 16" (D)	19.8 (H) x 48.5 (W) x 40.5 cm (D)
Height (including cover clearance):	23"	58 cm
Weight:	44 lbs.	20 kg

- For silicon wafer, using UV tape requiring curing irradiation of 200 mJ/cm<sup>2</sup>.

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