

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 (mJ/cm^2) on-line. When the required UV dosage is reached, the display flashes to signal the end of the process cycle.

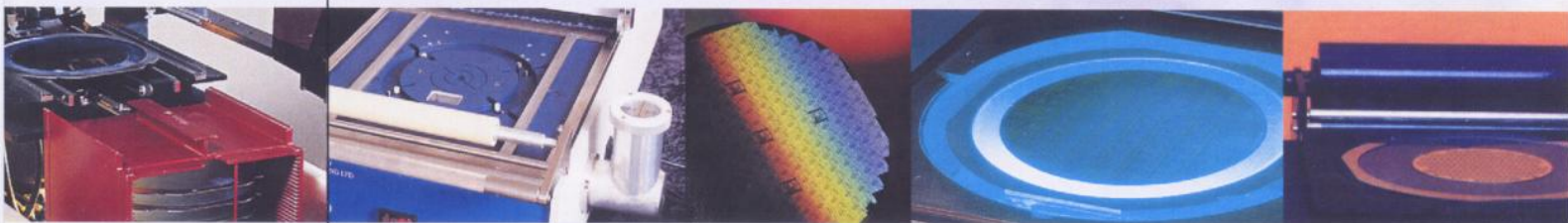
Multi-functional Digital Display

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 (mJ/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 nitrogen 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/cm², die size > 1 mm².

- All other countries and general enquiries:

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