

Desktop UV-LED Cure Chamber



Fast, Easy, & Reliable Tape Peeling Solution for Semiconductor & Optical Substrates

Compact & Cost-Effective

Streamlined, lightweight desktop design focused on essential core functions for maximum performance at a low cost.

Built-in Safety

Features an easy-to-see foldable signal tower and solenoid door lock to prevent operational errors and ensure safe everyday use.

Eco-Friendly Efficiency

Uses advanced 365nm UV-LED technology to drastically cut power consumption and minimize heat damage compared to traditional UV lamps.

Primary Target Applications

Specifically engineered for UV irradiation and adhesive reduction of UV-curable dicing tapes used in processing delicate substrates:

- Semiconductor Wafers
- Glass Substrates & Optical Plates
- Advanced Ceramics Components
- Sapphire Wafers & Substrates

Model Identifier	UVCUR-365-8
Irradiation Area	280 mm × 280 mm Compatible with 4-inch to 8-inch tape frames / substrates
Emission Wavelength	365 nm (UV-LED)
Irradiance Level	8 mW/cm ²
Internal Chamber Height	52 mm
Timer System	Digital Timer (1 to 9,999 seconds) with 4 programmable preset keys
Safety Interlock	Door-open detection sensor (immediately disables UV emission if opened)
Door Lock Mechanism	Solenoid Lock System
Status Indicator	3-Color Foldable Signal Tower • Red: Interlock Triggered • Yellow: System Standby • Green: Active UV Irradiation
Power Supply	AC 85 V – 264 V (50/60 Hz Universal Input)
Power Consumption	Standby: approx. 10 W Active Irradiation: max. 100 W (Energy Efficient)
Weight	15 kg
External Dimensions	W370 mm × D432 mm × H180 mm (excluding protrusions and signal tower)

Simple & Portable Structure

Ultra-lightweight (~15 kg) and compact footprint designed for effortless movement across cleanrooms or lab benches. LED emits minimal heat, protecting heat-sensitive semiconductor films, tape backings, and thin substrates from warping.



Safety First Mechanism

Equipped with an automatic solenoid door lock during irradiation to prevent accidental UV light exposure, combined with a door-open interlock sensor and status tower for remote monitoring.

Programmable Presets

Features 4 dedicated quick-start UV timer keys. Save frequent exposure settings to streamline repetitive production tasks and eliminate manual timing errors. Accommodates up to 280 mm × 280 mm dicing rings smoothly without catching or substrate tilting.

