

UV irradiator KOL2 40H/I



UV-C cleaning with ultraviolet rays and ozone for surface modification

Advantages of UV Treatment

- Non-contact treatment
- Easy integration into production lines and roll-to-roll systems
- No chemical solutions required
- Treatment effectiveness can be evaluated through wettability and contact angle measurements

Features

- Can be used for testing and small-scale production
- Available in fixed or handy configurations
- Lamp OFF timer included
- Choice of two lamp types (ozone-less and ozone type)

Applications

- Semiconductors / Electronic Components
 - Pre-cleaning before electronic component bonding
 - Reduction of resin outgassing
- Films / Resin Materials
 - Surface modification of PET, LCP, COP, and other materials
 - Improvement of adhesive bonding
- Glass / Thin Glass
 - Removal of organic contaminants from glass surfaces
 - Surface treatment before coating
- Metals / Precision Components
 - Removal of oils and organic contaminants from metal surfaces
 - Surface treatment before adhesive bonding

Specification

Model	KOL2-40H/I	
Power consumption (W)	100	
Voltage (V)	AC 100	
Lamp main wavelength (nm)	254, 185 or 254	
Dimension (mm) Irradiator Operation Box	W 135 D 440 H 103	W 320 D 350 H 177
Weight (kg) Irradiator Operation Box	2.7	6.2
Irradiation area (mm)	210×100	
Irradiation distance (mm)	10~	
Lamp (piece)	2	

※ Product specifications are subject to change without notice for improvements or other reasons.
※ An exhaust system is required for ozone-generating models.
※ Handheld models are available with ozone-free lamps only.

UV Intensity vs. Irradiation Distance (254nm)

