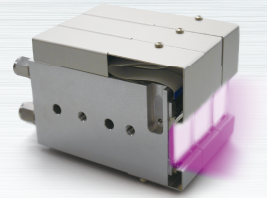


Large area processing, 360° irradiation, temperature-controlled.

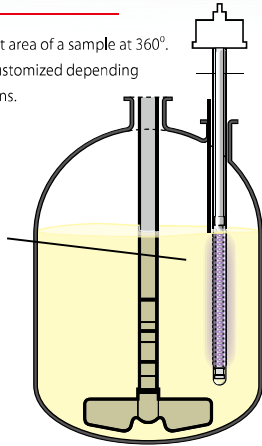
Uvira

Fast and high endurance processing. The one and only UV-LED irradiation customized for your specific needs.



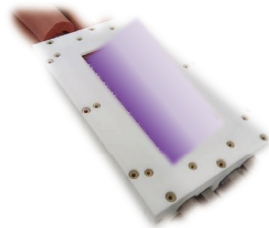
Reaction Features

UVIRA irradiates the target area of a sample at 360°. The target area may be customized depending on customers specifications.



Temperature Feature ~ 140°C max.

UV-LED safely emits heat to transmit illumination. The temperature increase can cause harsh environment for heat sensitive materials. However, UVIRA features an excellent cooling function. It is also possible to develop customized efficient cooling system for specific heating problems.



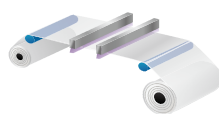
Other Customization

Sample batch process.
Varied irradiation angle.

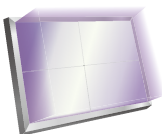
Conveyor belt



Roll to roll



Large area irradiator



Basic Configurations

Irradiation may be customized by variation according to shape, size, and pattern.

ULW365-4406-55F

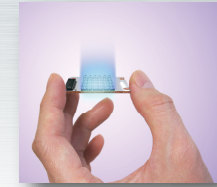
Peak Wavelength	365	385nm, 405nm
Cooling System	Water Cooling	
Power consumption	1500W	
Peak Illuminance	5,500mW/cm2	WD=10mm 1,2
	4,200mW/cm2	WD=15mm 1,2
	3,300mW/cm2	WD=20mm 1,2
	2,700mW/cm2	WD=25mm 1,2
	2,350mW/cm2	WD=30mm 1,2
Target Area	- mm	WD=10mm 1,2,3
	185 x 9 mm	WD=20mm 1,2,3
	173 x 9 mm	WD=30mm 1,2,3
	160 x 10 mm	WD=40mm 1,2,3
	150 x 12 mm	WD=50mm 1,2,3

※ 1 Distance from housing to illumination meter receiver
 ※ 2 Set as reference value
 ※ 3 Indicates the range where 90% or more of the peak illumination can be obtained

Free Customizable UV-LED

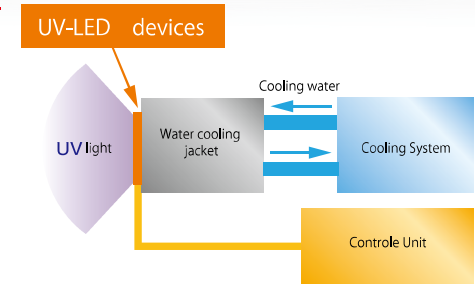
Uvion

Flexible UV-LED segment. Easy to replace.



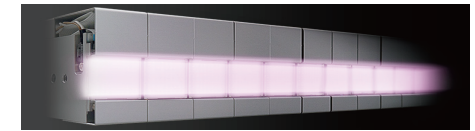
Example of Use

1. Attach the UV-LED device to the water cooling system.
2. Connect the UV-LED device to the control unit.
3. Run the cooling system.
4. Turn on the power source.



Features

UVION adapts to a width and irradiation distance of various devices. It obtains maximum UV energy at the optimum wavelength. It is easy to install and each component can easily be replaced during maintenance. Long time used equipment may be subjected to service cost reductions.



USG XXX-265-55N



Model No.	Peak wavelength p [nm]	Output power Po [mW/cm2]	Forward current If [mA]	Forward voltage Vf [V]
USG365-265-55N	365	2,100	1,000	32 ~ 40
USG385-265-55N	385	2,700		
USG395-265-55N	395	2,700		
USG405-265-55N	405	2,700		

USG XXX-465-55N



Model No.	Peak wavelength p [nm]	Output power Po [mW/cm2]	Forward current If [mA]	Forward voltage Vf [V]
USG365-465-55N	365	5,100	1,000	32 ~ 40
USG385-465-55N	385	6,600		
USG395-465-55N	395	6,600		
USG405-465-55N	405	6,600		

