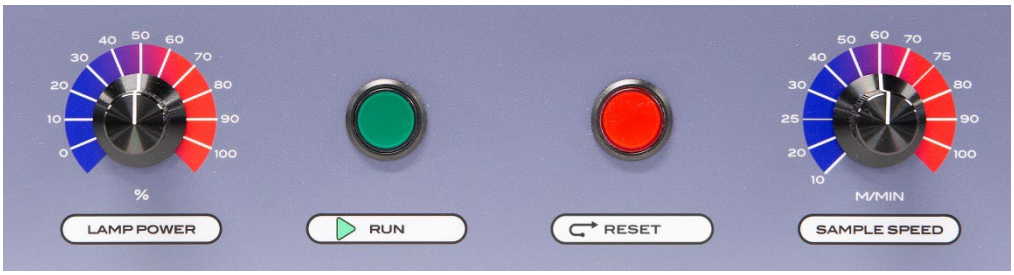
UV LED LABORATORY UNIT for Precision Ink Development



Description

GEW's LED lab systems make the task of developing and testing new UV LED ink formulations easy, accurate and ergonomic. It incorporates the same high performance LED curing modules as used in GEW's AeroLED and LeoLED models, so testing with this unit reflects genuine production scenarios.

A sample tray, driven by a linear actuator, is passed under the UV array in a very precise, controlled and repeatable manner. UV output and sample tray speed can be separately adjusted by set increments as required. In addition to having a simple magnetic hinged sample tray, the unit can also accommodate an EIT radiometer for precise UV power measurement. The LED array is height adjustable between 5mm and 25mm to suit specific test items and scenarios.

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GEW ...engineering UV

Technical Details				
Sample tray speed	100m/min maximum			
Standard wavelength	395nm (30W/cm^2)			
Available wavelengths	365nm *	385nm	395nm	405nm
Curing power	18W/cm^2 *	30W/cm^2	30W/cm^2	30W/cm^2
Height adjustment	5mm to 25mm			
LED array width	15cm			
Controls	On / off. Sample tray speed, 10 to 100m/min in 10m/min increments, 25 and 75m/min. UV output power, 10% to 100% in 10% increments.			
Sample tray	Sample window 230(w) x 120(d), in mm. Travel 1200mm.			
Array cooling method	Self-dissipation. Integral cooling fan, no external fan or chiller required.			
Dimensions	1510(w) x 590(d) x 290(h), in mm.			
Power requirement	220 – 240 VAC, 50/60 Hz, 1 Phase, + Neutral + Earth.			
Options				
All options are priced on request.	Holders for EIT UVICURE® PLUS II and UV POWER PUCK® II radiometers. Additional lamp heads at different wavelength. Inert gas sample chamber.			
Costs				
Price upon request.				

* Power setting must not exceed 70% when using a 365nm cassette.

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