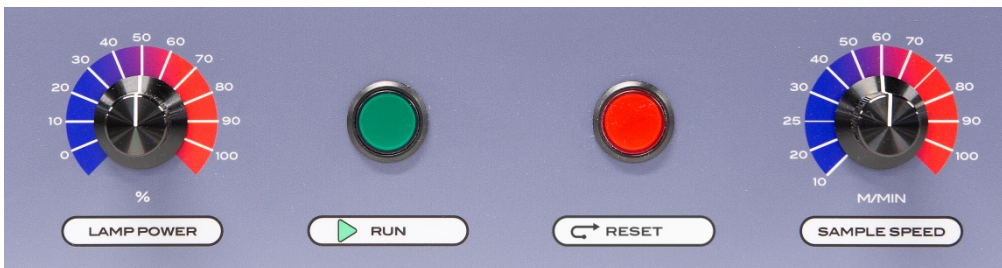


# UV LED LAB UNITS for Precision Ink Development



## 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 module designed for full production printing and coating applications, 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 5 and 25mm to suit specific test items and scenarios.



| <b>Technical Details</b>           |  |                     |                     |
|------------------------------------|--|---------------------|---------------------|
| Sample tray speed                  | 100 m/min maximum.   |                     |                     |
| Standard Wavelength                | 395nm (18W/cm <sup>2</sup> )   |                     |                     |
| Available Wavelengths              | 385nm  | 395nm               | 405nm               |
| Curing Power                       | 11W/cm <sup>2</sup>  | 18W/cm <sup>2</sup> | 22W/cm <sup>2</sup> |
| LED array width                    | 15 cm.   |                     |                     |
| Controls                           | On / off.<br>Sample tray speed, 10 to 100 m/min in 10 m/min increments, 25 and 75 m/min.<br>UV output power, 10% to 100% in 10% increments.        |                     |                     |
| Sample tray                        | Sample window 230(w) x 120(d) mm. Travel 1200mm.   |                     |                     |
| Array cooling method               | Self-dissipation. No fan or chiller required.  |                     |                     |
| Dimensions                         | 1510(w) x 590(d) x 290(h), mm.   |                     |                     |
| Power requirement                  | Single phase, neutral and earth.   |                     |                     |
| <b>Options</b>                     |  |                     |                     |
| All options are priced on request. | Holders for EIT UVICURE® PLUS II and UV POWER PUCK® II radiometers.<br>Additional lamp heads at different wavelength.<br>Inert gas sample chamber. |                     |                     |
| <b>Costs</b>                       |  |                     |                     |
| Price upon request.                |  |                     |                     |