



UV Curing System

**No.1**  
FOR  
**UV**  
**LED**

**Transform the  
economics of UV**



**FASTER**



**GREENER**

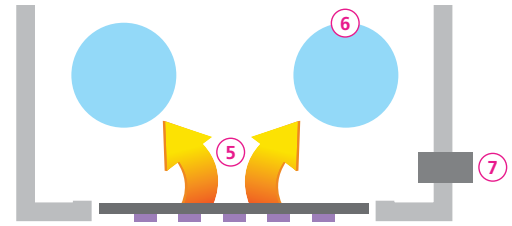
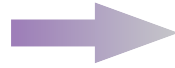
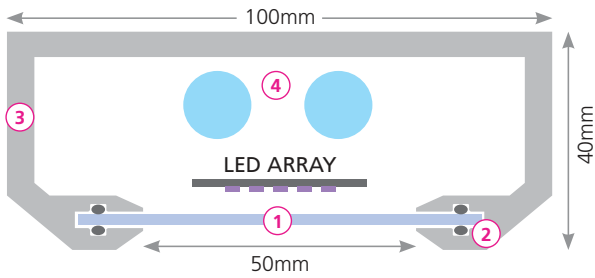


**CHEAPER**



[gewuv.com](http://gewuv.com)

**GEW**  
...engineering UV



**① Most efficient curing**

- Large window gives maximum light extraction.
- Longer dwell time gives highest dose.

**② Ultimate reliability**

- Tough IP67 design protects LEDs at all times.
- Waterproof seals make for easy cleaning.

**③ Fits anywhere**

- 40 x 100mm profile can fit on any machine.
- GEW's familiar cassette design is provided as standard.

**④ Water cooled**

- Silent operation improves factory ambience.
- No air movement or dirty filters for sensitive processes.

**⑤ Thermal management**

- Extensive investment and years of research and development have resulted in unrivalled thermal management. This is the secret behind LeoLED's game-changing performance.

**⑥ Condensation protection**

- Innovative warm water cooling system prevents condensation, even in the hottest and most humid environments.

**⑦ Temperature control**

- Embedded temperature sensors constantly monitor the LEDs to ensure safe, long term operation and reliability.

**José Carrasquer**

Quality & Purchasing Director,  
Etygraf, Spain

**Owners of five GEW UV curing systems:**

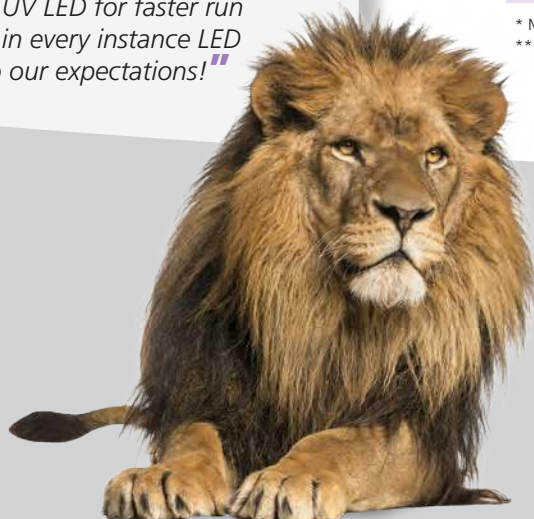
*"With LED UV we now have less power consumption, less setup time, no changing of lamps... it's faster to turn it on, it's faster to turn it off. LED gives us a better competitive position in the market."*

**Todd Fatino**

Vice-President of Innovation,  
Phenix Label, Olathe, Kansas

**Owners of four GEW full LED presses:**

*"We chose GEW UV LED for faster run speeds... and yes, in every instance LED UV has lived up to our expectations!"*



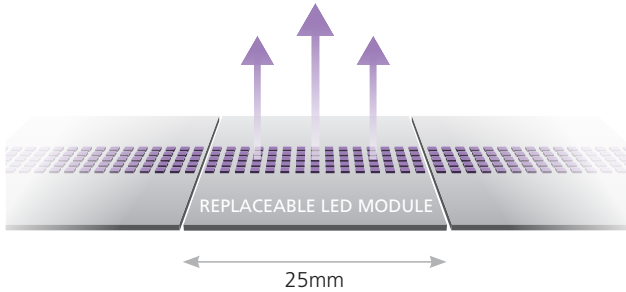
**Specification**

Max electrical power	88W / cm
Wavelength	395nm**
Irradiance at window	30W / cm <sup>2</sup> *
Typical dose @ 100m / min	270mJ / cm <sup>2</sup> *
Maximum length	170cm
Standard cross section	110mm W x 190mm H
Cooling	Water
Standard max operating temperature	40°C (104°F)
Standard max humidity	Non-condensing

\* Measured under standard GEW lab conditions with a standard lamphead configuration  
\*\* 365nm, 385nm & 405nm available upon request

**35% Dose improvement**  
**40% Irradiance boost**

(versus GEW LW2 curing system)



**LeoLED brings the very latest LED technology to the market. Delivering more UV dose for your money than any similar product currently available.**

**ArcLED Hybrid LED+UV**

The only tool needed to change a UV cassette



**ArcLED hybrid UV technology allows interchanging of a UV Arc lamp or LED array in the same housing.**

Optimise your press with a mixture of Arc and LED curing on any station, for the ultimate flexibility.

**Why use GEW UV LED?**



**Faster curing**

LeoLED's new higher power output supports the market's fastest print speeds. UVA radiation penetrates deep for thick screens or laminating and foiling processes.



**Print without limitations**

Unsupported films, shrink sleeves and other delicate materials can be processed without heat damage.



**Increased machine uptime**

No moving parts for low maintenance and no warm-up/cool-down mean less UV related downtime, which increases press productivity.



**Reduced energy consumption**

Higher electrical efficiency of LEDs and instant on/off switching allow typical energy savings over 50% (versus a brand new UV Arc system).



**No ozone, no Mercury**

GEW LEDs produce no ozone, so there are no air extraction requirements. They are also Mercury-free.



**Longest LED warranty**

LeoLED diodes are proven to run over 40,000 hours\*. GEW offers the longest LED warranty available - up to 3 years, irrespective of running hours.



**Turnkey solutions**

GEW deliver a complete integrated UV curing solution; including lampheads, cooling equipment, power supply and user control systems.

\*Lumen Maintenance Life Projection according to IES LM-80 and IES TM-21



## RHINO power

### Fail-safe operation

Military-grade design protects the UV system from damage caused by incorrect voltage, short-to-ground, dropped phases, mains spikes and lightning strikes. In the event of a serious mains disruption, the system powers down in a safe mode.

RHINO is designed to run in the harshest conditions and at ambient temperatures of up to 40°C. The system is unaffected by dust, ink mist and other contaminants.

### Lowest operating costs

With intelligent power management the current draw is balanced and harmonic distortion is minimised, reducing energy demand.

### Minimal footprint RHINO Rack

A compact cabinet houses power supplies for up to 6 lamps and provides perfect cooling, atmospheric protection and mains power distribution.

### 5-year warranty available

Using GEW's embedded service package gives total confidence in the reliability of GEW power electronics and minimises unplanned maintenance costs. GEW is the only UV supplier to offer this level of warranty.

## Ultimate control



RHINO touch panel

### Embedded service

RHINO Control is connected to the internet and encrypted system performance data is sent live to GEW 24/7.

This ensures the fastest and most precise response to service issues available in the industry.

### System performance reports

Regular reports are generated, detailing energy usage, uptime percentage and system performance.

The Event Log continually records system use and operating parameters, ensuring the system is working at peak efficiency at all times.



## UPGRADE to LED NOW...

For GEW RHINO and RLT users, UV curing systems can be upgraded to LED UV by simply adding a LeoLED cassette and a chiller unit.

**THE MOST AFFORDABLE ROUTE TO LED PRINTING AVAILABLE ANYWHERE**



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