

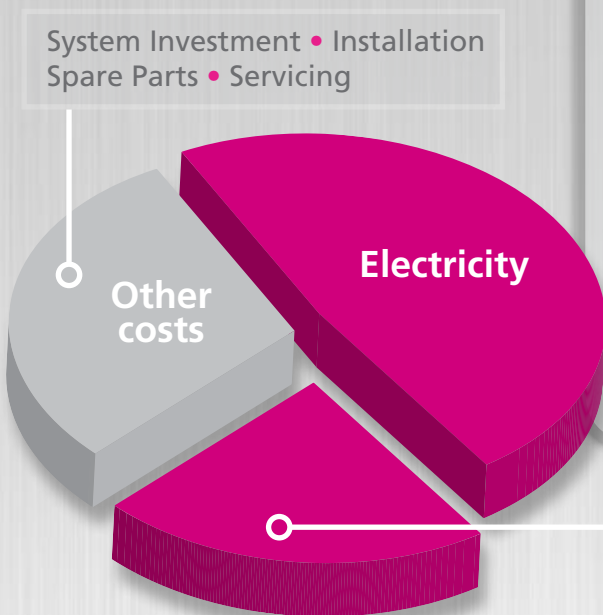
E2C[®]UV

UV CURING SYSTEM

The most powerful
low energy UV system
for narrow web presses



Why use an E2C System?



10 year carbon footprint and electricity costs for 8 lamp 16" UV solution

	EUROPE		USA	
	€ cost	Tonnes CO ₂	\$ cost	Tonnes CO ₂ *
Other UV System	€274,000	890	\$152,500	1390
E2C UV System	€147,500	480	\$82,000	750
SAVING	€126,500	410	\$70,500	640

*Higher carbon footprint in USA is due to greater use of fossil fuels for electricity generation. Calculations based on 2012 US and European average cost and carbon footprint per kWh of electricity.

SAVE 46%
of electricity expenditure

System benefits

Lowest total cost of ownership

- 46% energy saving
- Save tens of thousands of Euros or Dollars over the lifetime of your machine
- Reduced plant air consumption

Easily implemented sustainability measure

- Immediate reduction in CO₂ footprint
- Cool, quiet operation with no need for expensive water-cooling
- Eliminate all consumption of processed ambient air and maximise cost savings with NetZero cooling option

5-year warranty

- Safeguards against unplanned maintenance costs

Maximum machine productivity

- Fast start lamp technology
- System proactively avoids unplanned downtime
- Consistent, high-speed curing
- Quick to install

Available with inert atmosphere curing

- Enables production of silicone release liners and food packaging
- Process consistency assured with embedded precision oxygen level control
- Fully engineered solutions designed to suit your specific application

LED ready

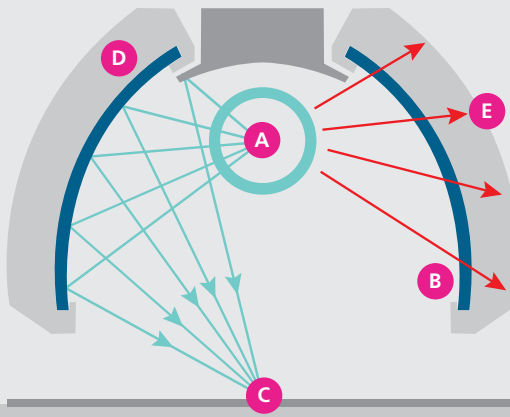
- Upgrade easily to UV LED curing in future by using the same RHINO ArcLED hybrid power supply

Print **FASTER** for **LONGER**
with **LESS ENERGY**
and **NO DOWNTIME.**

Contact us to learn how
E2C maximises profitability

GEW
...engineering UV

E2C UV Lamphead



- A High output lamp
- B Minimal loss reflector
- C Optically tuned UV radiation profile
- D Actively cooled reflector
- E Absorbed heat

UV Lamphead benefits

E2C UV System is safe for the widest range of heat-sensitive materials.

Versatile and controllable, with no heat transfer to the machine or substrate at stand-by through the use of actively air-cooled shutter technology.

- Optically tuned reflectors maximise the lamps' curing effect
- Substrate heating is minimised
- Air-cooling is now more effective than water-cooling
- Supports the fastest printing speeds
- Highest dose + highest intensity = maximum curing
- LED ready: with a hybrid lamp housing, an LW1 LED cassette and an E2C arc lamp cassette can be used interchangeably on the same print unit

Lowest maintenance

- Engineered for fastest, easiest lamp changes
- All replaceable components are plug-and-play for easiest maintenance
- Patented active airflow path minimises consumption and contamination of lamp and reflectors: less cleaning is required to maintain curing performance



The only tool needed to change a UV cassette



Minimal harmonic current demand

Lowest operating costs

With intelligent power management the current draw from each mains phase is balanced and harmonic distortion is minimised, reducing the energy demand registered by your electricity meter.

Reducing harmonics in operation maximises existing mains capacity because energy is not lost as heat in cabling and transformers.

Power Supply benefits

Hybrid power

LED arrays and conventional UV arc lamps are both compatible with the same RHINO power supply module.

Fail-safe operation

Military-grade electronic 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.

Survives the harshest environments

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

Minimal footprint RHINO Rack

A compact cabinet that houses up to 6 RHINO power supplies and provides perfect cooling, atmospheric protection and mains power distribution. Cabinets are stackable 2-high, enabling 12 power supplies to fit into a 115 x 65 cm floor area. Power supplies slide into the rack and connect quickly, enabling more lamps to be easily added to the system in future.



RHINO Rack cabinet is ideal for operation in confined areas



Intuitive control interface



Energy usage monitor



RHINO touchscreen control panel showing a video tutorial

Control benefits

Energy performance measurement

The RHINO control automatically logs energy use and displays it on screen at the touch of a button, showing kWh consumption in operation, at idle and % production uptime.

Proactive downtime avoidance

Our Embedded Service Package regularly sends system performance data to GEW for analysis. A system health report is generated, highlighting any out-of-tolerance parameters requiring maintenance attention before a fault can develop.

Working at peak performance

The Event Log continually records system use and operating parameters. The log can be checked to ensure the system is working at peak efficiency, avoiding energy waste and unplanned downtime.

Instant help

Multilingual instructions are easily accessible on every screen together with a library of tutorials and videos, troubleshooting and maintaining the system.

Arc & LED common interface

Automatic detection of cassette type (arc lamp or LED) ensures the RHINO power supply instantly adapts and delivers the correct output power.



...engineering UV

Why work with **GEW**?

GEW is the world market leader in manufacturing UV curing systems for the labelling and web printing industries.

GEW have invested in a world class production facility at their head office, where experienced teams of quality staff develop and produce UV solutions that are renowned for their high standards of engineering, durability and performance.

Purchasing a GEW product provides:

- An effective and highly reliable UV solution, delivered on time
- The lowest energy consumption and CO₂ footprint
- A friendly and responsive after-sales service online and on-site
- 24 hour global telephone support
- The peace of mind you are working with an experienced, dependable supplier



To understand how GEW's products increase your production capacity, contact us today.



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ArcLED®, E2C, NA2 and RHINO are protected by the following patents and patent applications:
GB2495161, EP2709849, GB2495355, US9050831, GB2495901, EP2697066, GB2444328, 1408136.8,
15166954.6, 14/707,757, 1411699.0, 14183389.7, 14/482,743, 1415422.3, 1500494.8

