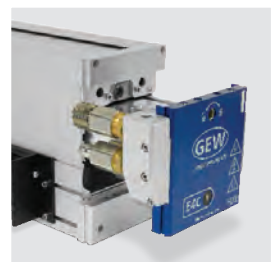
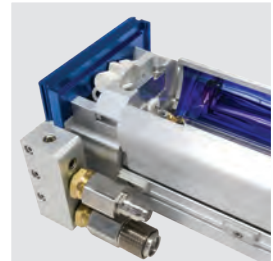
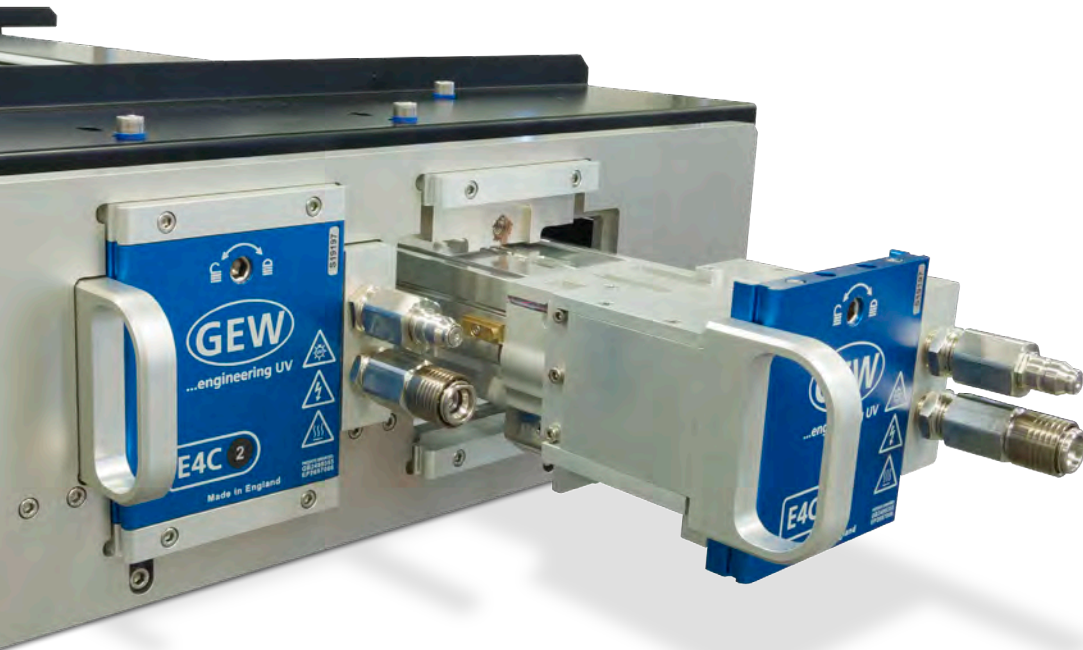


E4C UV

Sheetfed Curing System

The highest power water-cooled
UV system for the most
demanding applications

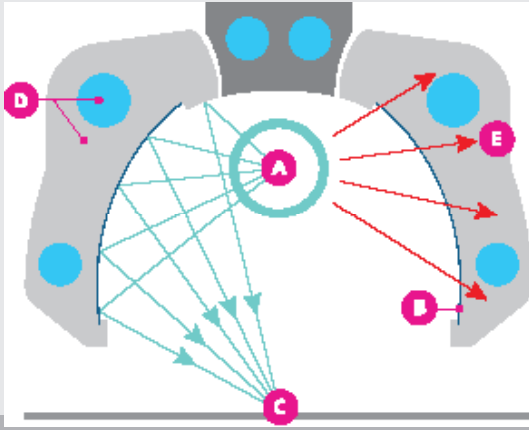


Designed and made in Britain

gewuv.com

GEW
...engineering UV

E4C UV Lamphead



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

Lowest maintenance

- Engineered for fast, easy lamp changes
- All replaceable components are plug-and-play for easy maintenance
- Reflectors can be cleaned and fully replaced without breaking water seals
- Reflector mechanisms and seals tested to millions of operations to ensure reliability
- Water-cooling reduces installed air extraction requirements

GEW E4C UV curing

- Highest power available from the GEW range, to support the most demanding UV curing applications in the market
- Versatile, controllable and safe for the widest range of heat-sensitive materials
- Quiet operation with minimal air requirements
- Optically tuned reflectors maximise curing power
- Water flow monitoring technology ensures water flow at all times
- Water-cooled reflectors support highest UV power whilst limiting heat transfer to substrate
- LED-ready: hybrid lamp casing can house either LED or arc lamp cassettes

Specification

| | |
|------------------------------------|---------------------------|
| Max electrical power | 220W / cm |
| Spectrum | Mercury |
| Irradiance at focal point | 10.7W / cm ² * |
| Typical dose @ 100m / min | 220mJ / cm ² * |
| Maximum length | 170cm |
| Standard cross section | 110mm W x 190mm H |
| Cooling | Air & 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.



System benefits



Highest power

- High powered, standard profile lamp for Low Migration applications
- Supports the most demanding applications and fastest printing speeds
- Performs to the harshest cure test procedures

Maximum machine productivity

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

Flexibility in production

- Fast swap over from UV to LED Varnish
- No speed limitations
- Future ready technology

LED-ready

- Future proof your system - upgrade to LED curing when required by adding an LED cassette - no installation required

Retrofittable

- Design allows fitting to the widest range of machines

5-year warranty

- Safeguards against unplanned maintenance costs*
- *With optional RHINO upgrade.

Options

- ArcLED hybrid UV technology allows interchanging of a UV Arc lamp or LED array in the same housing
- H-UV compatible
- Multi-point UV monitoring



Relax... you're in safe hands

GEW Remote Monitoring Service



Remote Monitoring is an IoT technology included as standard on every GEW RHINO/RLT UV system, and is Industry 4.0 approved.

All such systems are continuously monitored to ensure they are operating at peak efficiency, 24/7/365.

This also enables GEW to provide the **fastest and most precise service response in the industry.**

System performance reports

The Event Log continually records system use and regular reports are generated for the customer, detailing energy usage, press productivity and system performance.

RHINO power

Compact, fail-safe power

RHINO and RLT power units can supply up to 12 UV lamps from one compact cabinet with a 1265mm x 800mm footprint.

The power supplies are designed to run in ambient temperatures up to 40°C and are protected from common mains power events (e.g. short-to-ground, mains dips) by a safe shutdown mode, for ultra-reliable operation.

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 on the full system.**



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