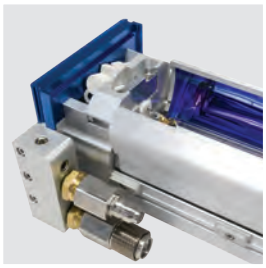
E4CUV

Curing System

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

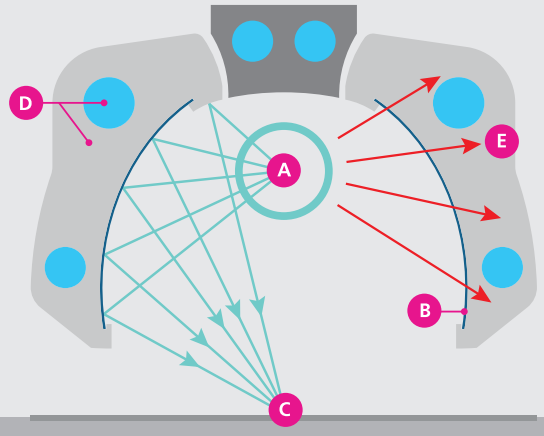


Designed and made in Britain

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

GEW E4C UV curing

- Highest power available from the GEW range, to support the most demanding UV curing applications in the market
- Compact 'E2C' profile to fit the widest range of machines
- Versatile, controllable and safe for the widest range of heat-sensitive materials
- Quiet operation with minimal air requirements
- Optically tuned reflectors maximise curing power
- Integrated flow switch 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
- Retrofittable on all E2C installations

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

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.
** Lamp variants available on request.

ArcLED Hybrid LED+UV

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.

ArcLED cassettes can quickly and easily be interchanged; only a hex key tool is required

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

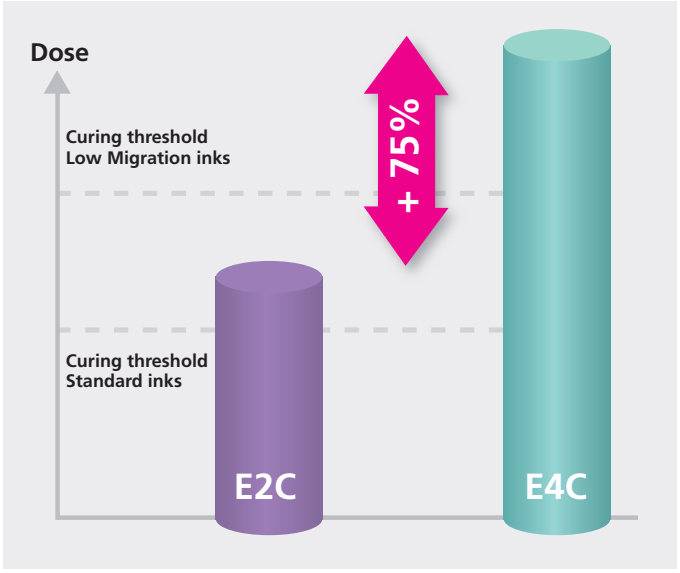
- Fast start lamp technology
- System proactively avoids unplanned downtime
- Consistent, high-speed curing
- Quick to install

Available with multi-point UV monitoring

- Attain 100% UV inspection for every batch
- Improve compliance to European food contact packaging regulations
- Easily see when UV lamps reach end of life

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

Retrofittable

- Compact design allows fitting to the widest range of machines
- Retrofittable on all E2C installations

5-year warranty

- Safeguards against unplanned maintenance costs

Options

- Doped lamps (Fe, Ga)
- Customisation to suit specialist applications
- Inert atmosphere curing
- 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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GEW ...engineering UV

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