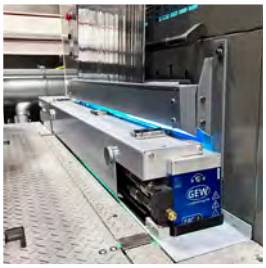
E4CUV

Sheetfed Curing System

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

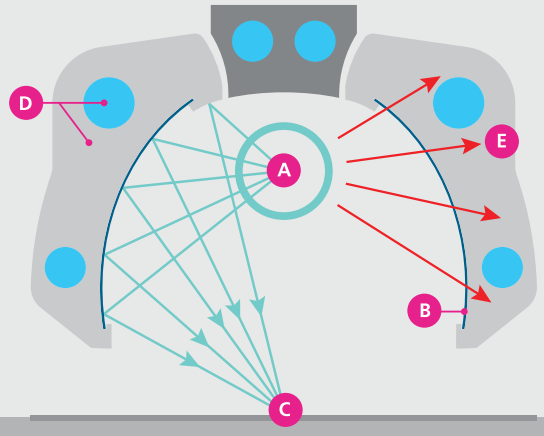


Designed and made in Britain

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

System benefits

- Highest power in the GEW range, to support the fastest print speeds (up to 21,000 sph) and most demanding Low Migration applications
- Compact design allows integration with the widest range of machines
- Turnkey retrofit solutions from GEW's vastly experienced engineering and service teams
- Patented ArcLED technology available as standard on every print station*
- Optional 5-year system warranty safeguards against unplanned costs
- Low energy or 'HUV' compatible UV and LED systems available.

E4C benefits

- Up to 200W/cm mercury lamps available for high speed curing up to 21,000 sph
- Optically tuned, water-cooled reflectors maximise curing power whilst limiting heat transfer to substrate
- Cassette design allows same UV lamp to be used interdeck and end of press*
- All replaceable components are plug-and play for easy maintenance
- Reflectors can be cleaned and fully replaced without breaking water seals
- Optional doped lamps available (Fe, Ga) for specialist applications.

*Where mechanical integration allows.

Specification

Max electrical power	200W/cm
Standard spectrum	Mercury
Irradiance at focal point	9.7W/cm²**
Typical dose @ 100m / min	200mJ/cm²**
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.

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ArcLED

Patented Interchangeable Technology

Watch our ArcLED cassette changeover video on gewuv.com/sheetfed

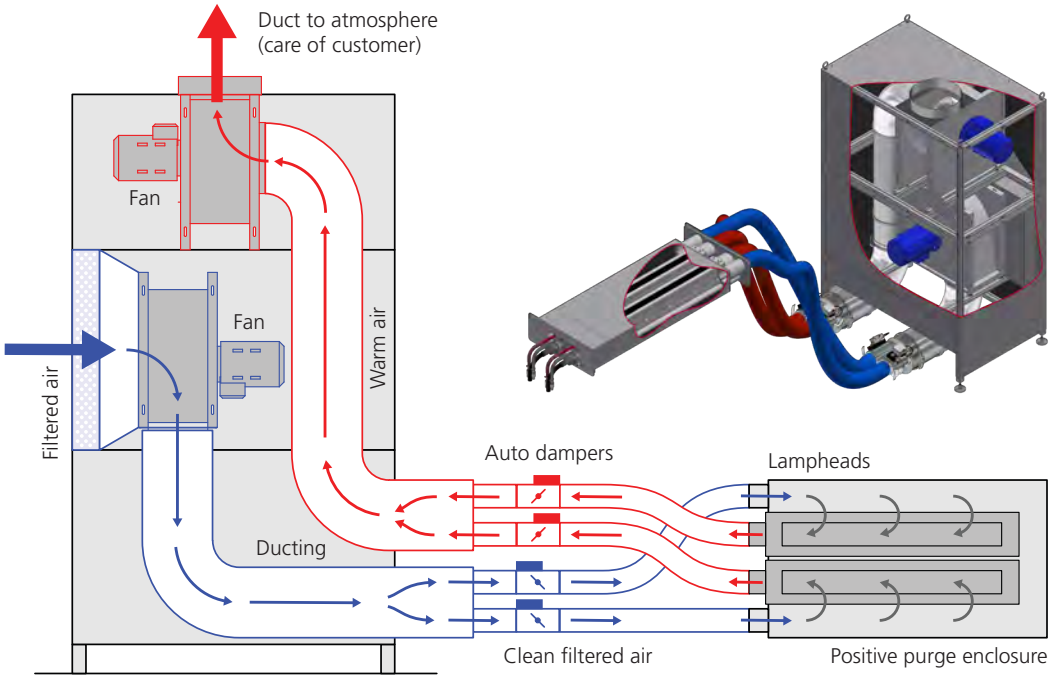
ArcLED hybrid UV technology allows interchanging of UV Arc and UV LED cassettes in the same housing.

- Optimise your press with a mixture of UV lamp or LED curing in any station for ultimate flexibility
- Future-proof your press by allowing future upgrade to LED just by purchasing an aftermarket LED cassette
- GEW have held granted patents covering this technology internationally since 2016.

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

Positive Purge option

GEW's unique positive purge solution ducts filtered air into the end of press assembly, positively pressuring the curing chamber. This protects lamps against contaminants, powder, paper dust or volatile ingress, reducing component wear and reducing fire risk. A quartz window under the lamp seals the UV assembly from the atmosphere.



Positive purge - How it works

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.**

Watch our Dreamworks customer spotlight video on gewuv.com/dreamworks

Joe Engwall
VP Operations
Dreamworks Graphic Communications, Illinois, USA

Using a four-lamp GEW E4C system on a Komori LS 840 Press

"Adding the 8-colour with the cold foil and the GEW E4C UV system has been a huge asset for us going forward. UV has revolutionised what you can do with substrates, whether it be vinyls, clears, canvases, paper, coated, uncoated… any finish that's out there that you can put something on, we would say 'yep, no problem, we can do that'."

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GEW ...engineering UV

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