

E2C[®]

Air-cooled UV Curing System



Patented
Interchangeable
Technology

**The most powerful
low-energy UV Arc system**



Designed and made in Britain

gewuv.com

GEW
...engineering UV

Why use E2C?

- Over **75,000 units** installed worldwide
- Delivers **exceptional curing performance** due to patented, ultra-efficient reflector design
- **Ultimate reliability**, proven since first installation in June 2012

Fully air-cooled

- Single centralised fan system for quiet and reliable operation.
- No chiller required; significantly reducing investment cost and power consumption.
- No heat exhausted onto press or into press room, air can be ducted out.
- Quick to install.

ArcLED compatible

- E2C uses the same cooling system as GEW's AeroLED2 UV LED system. This means E2C and AeroLED2 can be interchanged freely on any print station, and that any future transition to UV LED is a quick and simple upgrade.

Proven reliability

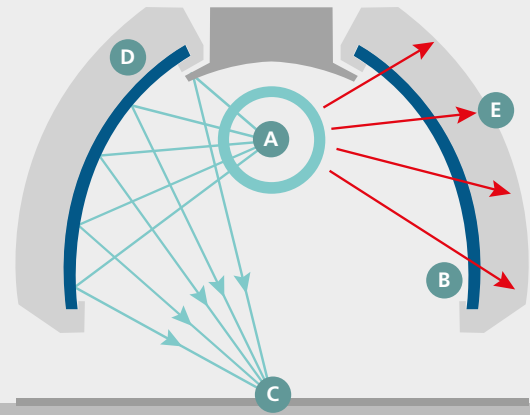
- Patented, actively air-cooled shutter technology built for a lifetime of robust operation.
- Highest quality design and construction for trouble-free operation.



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.

E2C REFLECTOR PROFILE



- A** High output lamp
- B** Minimal loss reflector (excludes E2Cb).
- C** Optically tuned UV radiation profile
- D** Actively cooled reflector
- E** Absorbed heat

Most efficient curing

- Optically tuned reflectors to maximise the lamps' curing effect.
- Supports moderate to fast-printing speeds with fast-start lamp technology.

Operational versatility

- Versatile, controllable and safe for the widest range of heat-sensitive materials.
- No heat transfer to the machine or substrate at stand-by.
- Different reflector types available – aluminium or dichroic glass.
- Consistent curing with doped and specialist lamp options available.

Eko Kurniawan Yong

Chief Director
PT Aneka Rupa Tera, Indonesia

Using E2C on a Comco press

"Back in 2015 we chose E2C because we wanted to run 30-micron unsupported films. At the time, we already had good experience with GEW and we knew they offered excellent local service and technical support."

"All these years later, that same UV system has now run for over 30,000 hours and is still going strong. We chose wisely."



Patented Interchangeable Technology

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.

GEW have held granted patents covering this technology internationally since 2016.



**Watch the ArcLED
video demonstration**

gewuv.com/arcledvideo



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

Specification	E2Cb	E2C	E2C HP
Maximum electrical power	140W / cm	140W / cm	180W / cm
Spectrum	Mercury*	Mercury*	Mercury*
Irradiance at window	6.9W / cm ²	7.3W / cm ²	9.1W / cm ²
Typical dose @ 100 m/min	125mJ / cm ² **	135mJ / cm ² **	175mJ / cm ² **
Maximum length	70cm	70cm	70cm
Typical cross section	110mm W x 190mm H	110mm W x 190mm H	110mm W x 236mm H
Cooling	Air	Air	Air
Maximum operating temperature	40°C (104°F)	40°C (104°F)	40°C (104°F)
Maximum humidity	Non-condensing	Non-condensing	Non-condensing
Reflector type	Aluminium	Dichroic	Dichroic

Other specifications are available, dependent upon power supply and integration restrictions.

* Doped and specialist lamps available.

** Typical dose measured under standard GEW lab conditions with a standard lamphead configuration.

EOS intelligent options now available

Powered by



☒ All standard features



Powered by



- ☒ All standard features PLUS:
- ☒ Detailed telemetry for accurate reporting, including hour and reflector counters
- ☒ Embedded intelligence auto-configures power supply for management and servicing
- ☒ End-to-end encryption for enhanced system security
- ☒ Allows rapid, unlimited cassette flexibility on each station

Relax... you're in safe hands

GEW Remote Monitoring Service



Remote Monitoring is an IoT technology available with GEW UV systems 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 **fast and precise service**

responses to all our customers.

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.

Turnkey solutions

Factory tested and ready to run

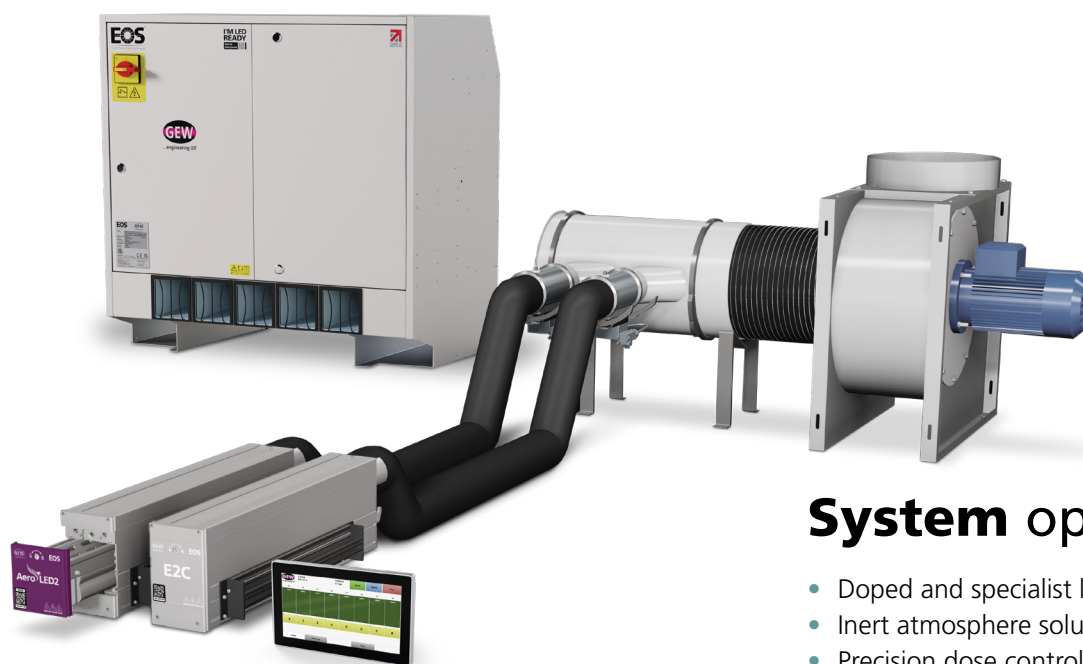
GEW deliver complete, integrated UV curing solutions; including lampheads, cooling equipment, power supply and control systems.

Each system is operationally tested and certified before leaving GEW's manufacturing facility. Following installation and commissioning, the UV system is ready for a lifetime of robust, dependable 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.



gewuv.com/e2c

System options

- Doped and specialist lamps
- Inert atmosphere solutions
- Precision dose control systems
- System integration options
- Cooling and maintenance options
- Lamphead configuration options
- Fully engineered solutions designed to suit your specific application



Head Office

GEW (EC) Limited, Crompton Way, Crawley RH10 9QR, UK

UK +44 1737 824 500

✉ sales@gewuv.com

Germany +49 7022 303 9769

🌐 gewuv.com

USA +1 440 237 4439