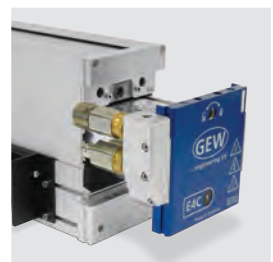
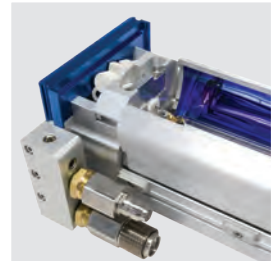


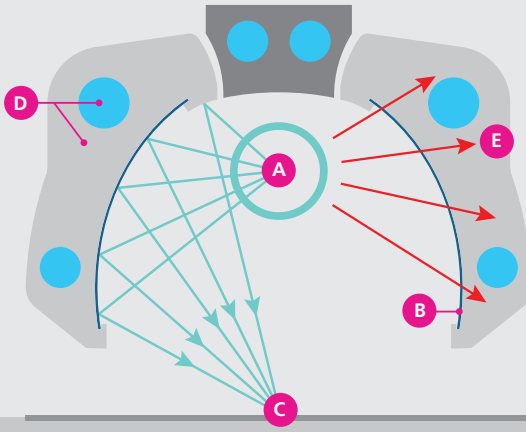
# E4C<sup>®</sup>UV

Curing System

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



## 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 LW2 LED, E2C or E4C 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

Width	<130cm (51in)
Power	<200W/cm
Compliance	CE
Operating temperature	5 to 40°C (41 to 104°F)
Operating humidity	Non-condensing
Cooling	Water & Air
UV monitor	Optional
System warranty	5 years
Lamp options	Mercury, iron doped gallium doped; ozone-free



## Power supply

### 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.

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

### 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.

### 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 up to 12 power supplies to fit into a 115 cm 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.

### 5-year warranty

No unplanned maintenance costs for 5 years: using GEW's embedded service package means total confidence in the reliability of GEW UV systems and backed up by a warranty unrivalled in the industry.

GEW is the only UV supplier to guarantee their system for 5 years.



RHINO touch panel

## Control panel

### Embedded service

RHINO Control is connected to the internet and encrypted system performance data is sent live to GEW 24/7. This ensures the fastest and most precise response to service issues available in the industry.

### System performance reports

Regular system performance reports are sent to nominated customer email accounts. These lay out energy usage, uptime % and a fault matrix to give unparalleled analysis of press productivity to operational management.

Combined with the comprehensive instruction and service manuals available from GEW, your press operators will have total confidence in their new UV system.

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.

Multilingual instructions are easily accessible on every screen ensuring operators can always understand the UV control properly.

# 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

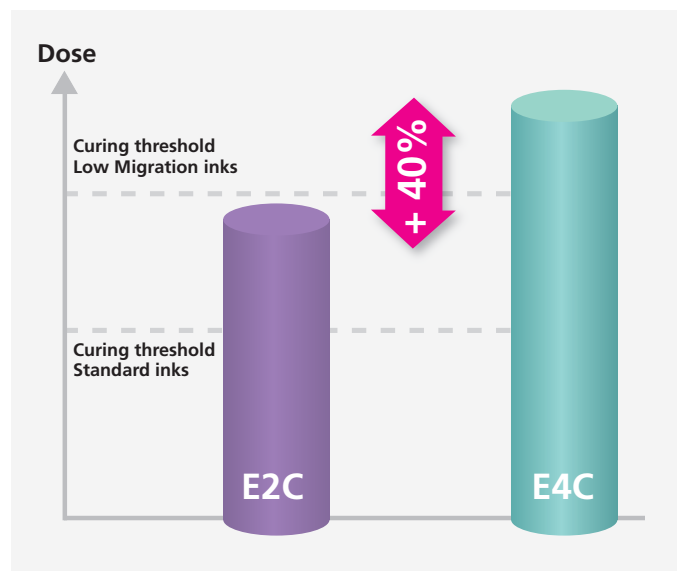
## Available with multi-point UV monitoring

- 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



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