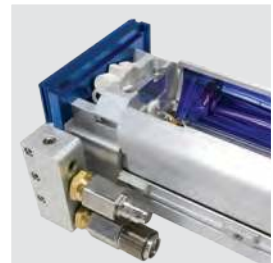


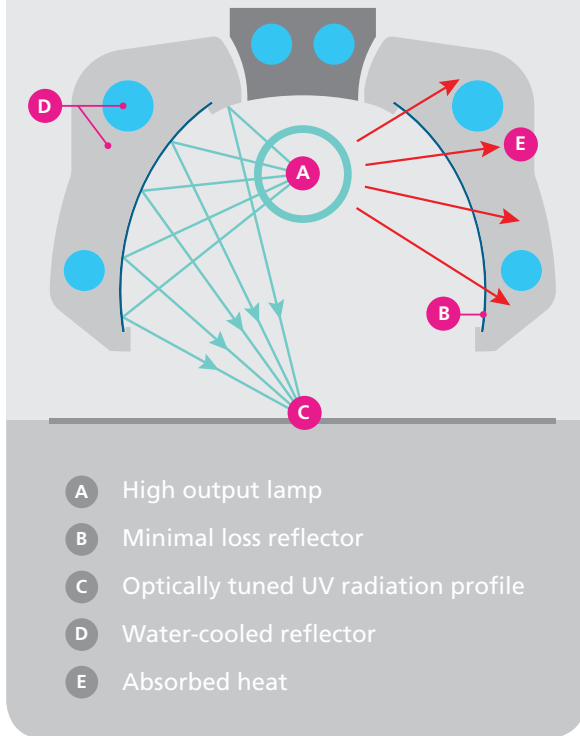
# E4C UV

Sheetfed Curing System

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



## E4C UV Lamphead



## 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

## 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 <sup>2</sup> *
Typical dose @ 100m / min	220mJ / cm <sup>2</sup> *
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



...engineering UV

# RHINO power

## Fail-safe operation

Military-grade 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 the harshest conditions and at ambient temperatures of up to 40°C. The system is unaffected by dust, ink mist and other contaminants.

## Lowest operating costs

With intelligent power management the current draw is balanced and harmonic distortion is minimised, reducing energy demand.

## Minimal footprint RHINO Rack

A compact cabinet houses power supplies for several lamps and provides perfect cooling, atmospheric protection and mains power distribution.

## 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.

\*With optional RHINO upgrade.

# Ultimate control

## Remote Monitoring



RHINO touch panel

All RHINO-powered systems are also continuously monitored over the internet via RHINO Control.

This Remote Monitoring enables encrypted system performance data to be sent live to GEW and ensures the fastest and most precise service response available.

The full service history of every lamp is recorded and viewable by GEW engineers in the UK, including all parameters, faults and operator commands.

A preventative maintenance program will recommend software or hardware updates and can highlight and correct out-of-tolerance parameters before an issue arises on site.

## System performance reports

Regular reports are generated, detailing energy usage, uptime percentage and system performance.

The Event Log continually records system use and operating parameters, ensuring the system is working at peak efficiency at all times.



**Relax, you're in safe hands**



**RHINO**  
GEW POWER ELECTRONICS

**GEW**  
...engineering UV

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