

# E2C<sup>®</sup>HP

UV Curing System

High power  
UV curing system with  
proven technology



## Why use E2C HP?

- 30% higher UV intensity and dose than the industry-proven standard E2C
- Optically tuned reflectors maximise curing performance
- Highest quality of design and construction giving trouble free running
- Supported by a 5-year warranty
- Fully air-cooled
- LED-ready

## E2C HP applications

### Low migration inks

Food labelling and packaging applications increasingly use low migration inks, which are less reactive to UV light and require higher powered UV systems to cure at speed.

### Digital printing

Full colour inkjet printing is getting faster and requires additional curing power to match higher press speeds.

# GEW E2C HP system

E2C HP comprises a standard E2C UV lamp cassette housed in a larger casing to enable more air cooling and thus higher running power, up to 180W / cm. Perfect for low migration or high speed print applications up to 80cm wide, it boasts the same reliability and patented reflector designs contained in GEW's most popular E2C product.

E2C HP still supports printing on the widest range of heat-sensitive materials because our actively air-cooled reflectors reduce heat transfer to the substrate. It also boasts GEW's famous quick-change cassette design enabling a new lamp to be fitted in under 2 minutes with only 1 hex key tool required.

## LED ready

- Upgrade easily to UV LED curing in future by using the same RHINO ArcLED hybrid power supply

## Easily implemented sustainability measure

- Immediate reduction in CO<sub>2</sub> footprint
- Cool, quiet operation with no need for expensive water-cooling
- Eliminate all consumption of processed ambient air with NetZero cooling option

## 5-year warranty

- Safeguards against unplanned maintenance costs

## Maximum machine productivity

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

## 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

## Options

- Doped lamps (Fe, Ga)
- Customisation to suit specialist applications
- Multi-point UV monitoring

## Specification

Max electrical power	180W / cm
Spectrum	Mercury**
Irradiance at focal point	7.3W / cm <sup>2</sup> *
Typical dose @ 100m / min	165mJ / cm <sup>2</sup> *
Maximum length	80cm
Standard cross section	110mm W x 236mm H
Cooling	Air
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 UV technology

ArcLED allows conventional arc UV or LED cassettes to be used side by side on the same press. Both are compatible with GEW's RHINO power supply and fit in the same housings, for ease of change. ArcLED enables the printer to switch seamlessly between the two technologies, to suit process requirements and ink formulation.



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