NUVA2HP

UV Curing System

Extreme power for web and industrial applications

Why use NUVA2 HP?

- Highest power – Up to 240W / cm and patented reflector design give extreme irradiance and dose levels
- Easy maintenance – A smooth action cassette design makes quick lamp changes possible in 2 minutes with just 1 hex key tool
- ArcLED flexibility – NUVA2 and LeoLED cassettes fit in the same casing and run on the same power and control, for flexible hybrid press setups
- 5-year warranty – Safeguards against unplanned maintenance costs throughout ROI period
- Maximum machine productivity – Fast start lamp technology; system proactively avoids unplanned downtime; consistent, high-speed curing; quick to install
- Flexible options – Doped lamps (Fe, Ga), multi-point UV monitoring, inert gas and customisation to suit specialist applications

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GEW NUVA2 HP system

NUVA2 HP uses the same cassette as GEW's NUVA2 lamphead, but in a narrower format. The extra cooling available allows running up to 240W / cm, with maximum power decreasing as lamp length increases. Fully air-cooled, NUVA2 HP is available with a wide range of customisation options and is perfect for final cure inkjet applications (with iron-doped lamps) or high-speed web machines.

- GEW's patented actively cooled reflectors ensure heat transfer to substrates is minimised, whilst delivering the highest UV intensity and dose available
- Quick-change cassette design ensures fast lamp changes
- All replaceable components are plug and play for easiest maintenance
- Reliability is guaranteed when powered by GEW's RHINO system. NUVA2 HP can be purchased with a 5-year warranty
- NUVA2 HP is ArcLED ready so that a NUVA2 HP and LeoLED cassette can be used interchangeably in the same print unit
- With ArcLED, existing NUVA2 systems can be cost-effectively upgraded in the field, with only the LED cassette and chiller required

Specification

Max electrical power	240W / cm
Spectrum	Mercury**
Irradiance at focal point	9.0W / cm^2*
Typical dose @ 100m / min	210mJ / cm^2*
Maximum length	60cm
Standard cross section	145mm W x 293mm 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.

Peter Rambusch
Managing Partner
certoplast
Technische Klebebänder GmbH, Germany

"Only GEW was able to offer us a comprehensive package of efficiency, reliability and embedded service with remote monitoring… the initial investment is recouped in less than four years with the added benefit of faster, more stable production."

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.

E2CHP-UK/V2

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

UK +44 1737 824 500 **Germany** +49 7022 303 9769 **USA** +1 440 237 4439
E sales@gewuv.com **W** gewuv.com