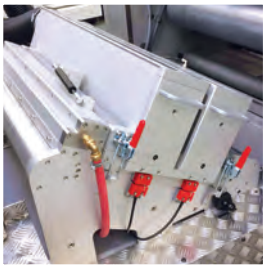
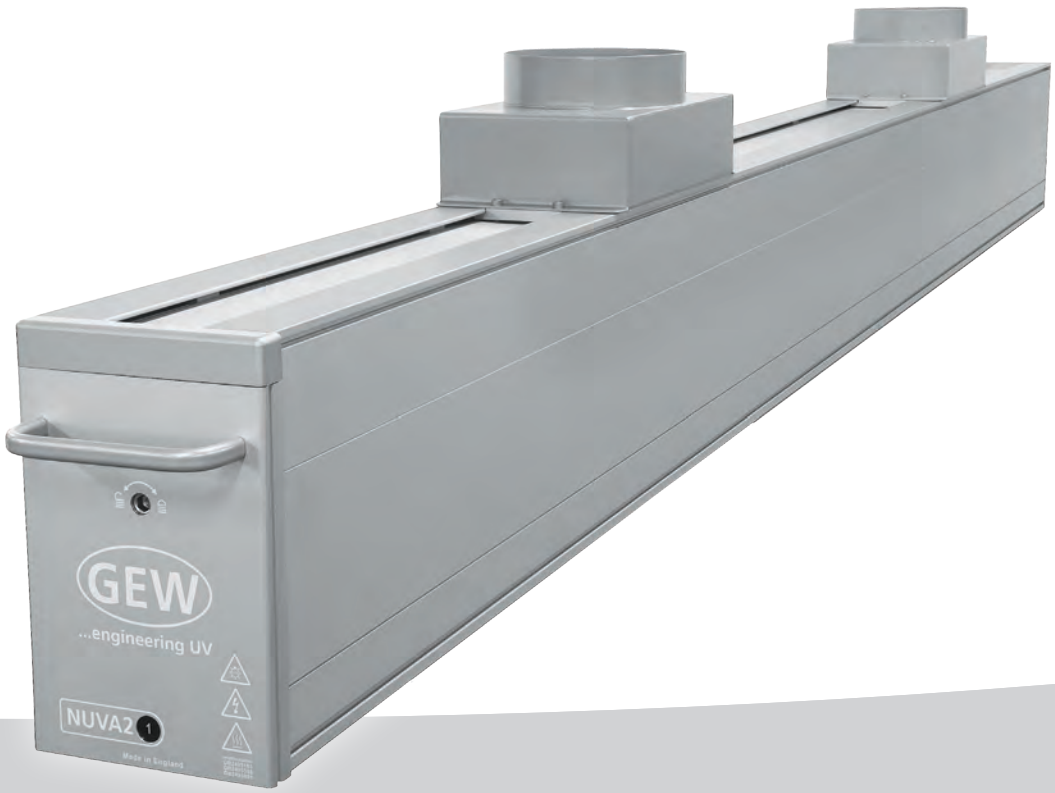
NUVA2

UV Curing System

For demanding UV curing applications up to 250cm wide



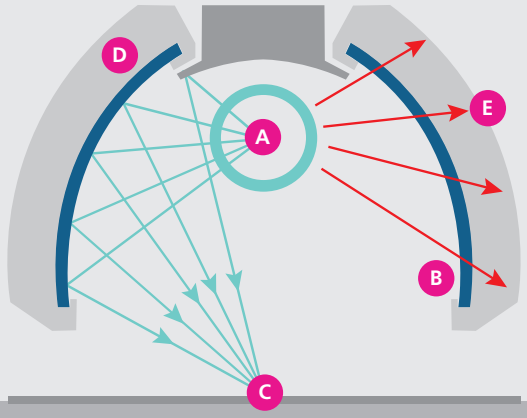


Designed and made in Britain

gewuv.com

GEW
...engineering UV

NUVA2 UV Lamphead



- A High output lamp
- B Minimal loss reflector
- C Optically tuned UV radiation profile
- D Actively cooled reflector
- E Absorbed heat

GEW NUVA2 UV curing

NUVA2 UV System is safe for the widest range of heat-sensitive materials.

Versatile and controllable, with no heat transfer to the machine or substrate at stand-by through the use of actively air-cooled shutter technology.

- Optically tuned reflectors maximise the lamps' curing effect
- Substrate overheating is reduced
- Air-cooling is now more effective than water-cooling
- Supports the fastest printing speeds
- Highest dose + highest intensity = maximum curing
- LED ready: with a hybrid lamp housing, an LED cassette and an arc lamp cassette can be used interchangeably on the same print unit
- Large range of customisation options available for any application: contact GEW.

Lowest maintenance

- Engineered for fastest, easiest lamp changes
- Lamp's patented ceramic end design prevents breakages during lamp change
- All replaceable components are plug-and-play for easiest maintenance
- Patented active airflow path minimises air consumption and contamination of lamp and reflectors: less cleaning is required to maintain curing performance
- All of the lamphead's working parts are cassette-mounted for ease of access and offline maintenance

Specification

Max electrical power	180W / cm
Spectrum	Mercury**
Irradiance at focal point	6.9W / cm^2*
Typical dose @ 100m / min	160mJ / cm^2*
Maximum length	250cm
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.

The only tool needed to change a UV cassette

Why use GEW NUVA2?

Highly effective, patented design
- Fully air-cooled
- Up to 250cm wide
- 5-year warranty

Lowest total cost of ownership
- 30% energy saving
- Reduced plant air consumption

Easily implemented sustainability measure
- Immediate reduction in CO_2 footprint
- Cool, quiet operation with no need for expensive water-cooling

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

Available with UV monitoring
- Multi-point UV measurement along the full length of the lamp
- Real time reading of UV intensity supports superior process consistency

Maximum machine productivity
- Fast start lamp technology
- Proactive downtime avoidance
- 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

Scan here to watch the **NUVA2 video demonstration**

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."

Relax... you're in safe hands

GEW Remote Monitoring Service

Remote Monitoring is an IoT technology included as standard on every GEW RHINO/RLT UV system, 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 the **fastest and most precise service response in the industry**.

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.

RHINO power

Compact, fail-safe power

RHINO and RLT power units can supply up to 12 UV lamps from one compact cabinet with a 1265mm x 800mm footprint.

The power supplies are designed to run in ambient temperatures up to 40°C and are protected from common mains power events (e.g. short-to-ground, mains dips) by a safe shutdown mode, for ultra-reliable 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. **GEW is the only UV supplier to offer this level of warranty on the full system.**

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GEW
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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

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