

Product Catalog

UVPOWER.PROCESS CONTROL.

British engineering. Global application experience.



GEW (EC) Limited is a UK-based manufacturer of UV curing systems for printing, coating and industrial applications. Its portfolio spans mercury arc lamps, UV LED, excimer systems and laboratory units.

Manufacturing is centred at its UK headquarters, supported by a US subsidiary and a German branch office. GEW designs systems for both new equipment and upgrades to existing machinery.

Curing technologies & integrated systems

UV LED • UV arc lamps • Excimer • ArcLED • Retrofits • Integrated controls

From narrow-web labels to wide industrial coating lines, GEW combines UV sources, cooling, power and control in application-specific systems.

UV LED



AeroLED2

Air-cooled UV LED curing for labels and narrow-web printing, coating and converting. A central extraction fan removes the need for fans inside individual lampheads.

- Up to 70 cm working width
- Up to 23 W/cm² irradiance at the window
- ArcLED-compatible cassette design



LeoLED2

Water-cooled UV LED system for demanding curing applications. Compact and cassette formats support integration into different machine layouts.

- Up to 37 W/cm² with LeoLED2 HP
- ArcLED interchangeability
- Integrated power, cooling and control

Specifications depend on integration and application. Quoted maxima apply to the corresponding model variant.

E2C / E4C / NUVA2



E2C

Air-cooled mercury arc-lamp system for printing and coating. Actively cooled reflectors limit heat transfer to the substrate; the cassette design simplifies lamp changes.

For machines up to 70 cm wide • Quick-change cassette • LED upgrade path via ArcLED

E4C

High-power UV arc-lamp curing for web and sheetfed machines. Water-cooled reflectors combine high UV output with controlled heat transfer to sensitive substrates.

Up to 220 W/cm electrical power with HP version • Serviceable reflector design • ArcLED-compatible housing

NUVA2

Air-cooled UVarc-lamp system for wide-web coating and specialist industrial processes. Custom integration and cassette access support production and maintenance.

Available up to 250 cm • Actively cooled reflectors • Interchangeable NUVA2 and LeoLED2 cassettes

Surface & process



ExciRay

Excimer lampsystems for surface mattification, surface-tension modification and specialist cleaning. Nitrogen inerting and integration with gelling or final-cure stages are available.

Typically 172 nm vacuum UV radiation • Lamp lengths up to 300 cm • NUVA2-style cassette design



UV laboratory units

Laboratorysystems support ink, coating and material development with controlled UV exposure. The range includes lamp, LED, conveyor and DoseGuard laboratory units.

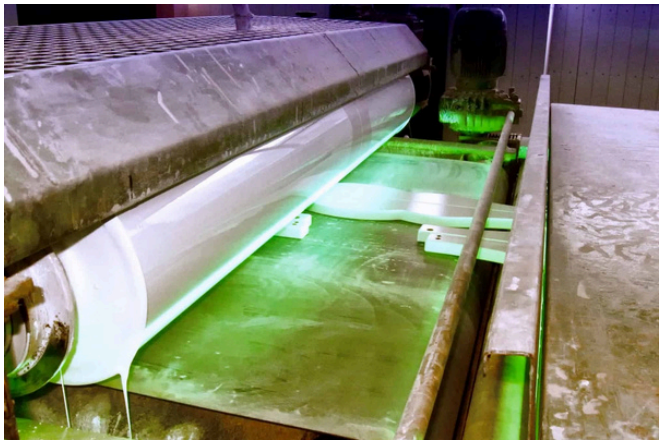


Retrofits, cooling & control

GEW supplies UV upgrades for existingmachinerytogether with cooling, power and control systems. Integration is specified around the press, process, available utilities and curing requirements.

Across print, coating & converting





Flexo & label converting

UV curing for label printing and converting lines, with LED and arc-lamp options.

Sheetfed offset & commercial print

Integrated UV curing and retrofits for sheetfed presses and commercial printing.

Wood coating

UV curing of wood coatings; excimer technology enables surface mattification.

Metal decoration

UV curing solutions for printing and coating in metal decorating.

Package converting

Curing systems for packaging production and converting processes.

Industrial coating & finishing

Custom UV integration for coating, converting and specialist finishing lines.

Designed for production

ArcLED flexibility

Compatible systemsallow arc-lamp and LED cassettes to be interchanged, supporting hybrid press configurations and staged upgrades.

Engineered as a system

Lampheads,powerelectronics,coolingand controls are supplied as an integrated curing solution.

Service-friendly construction

Quick-changecassettesandaccessiblecomponents simplify routine cleaning and maintenance.

Application-led integration

UVconfiguration is selectedforthe machine,substrate, speed, width and required dose rather than from a single universal specification.

Specify the substrate, ink or coating chemistry, working width, production speed, required UV dose and machine interfaces to select the appropriate configuration.

Sources: official GEW company, product and application pages. Full source list in the accompanying research manifest.
Images: GEW.

www.gewuv.com

Let’s discuss your application



CNI Kft.

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For an initial discussion, prepare your machine model, width, speed, materials and upgrade objectives.