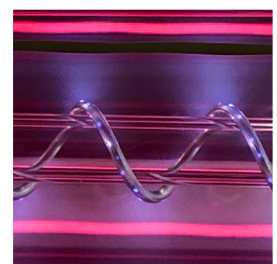
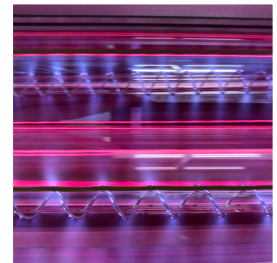


EXCUV

Excimer Curing System

Vacuum ultraviolet radiation for
a range of applications



GEW EXC lamps

GEW's Excimer (EXC) lamp systems utilise dielectric barrier discharge (DBD) lamps to produce quasi-monochromatic vacuum ultraviolet radiation, typically at 172nm. This radiation is commonly used for mattification of surface coatings, modification of surface tension for improved adhesion or surface cleaning for semiconductor and medical industries.

GEW Excimer lamps can be produced from 12-230cm and can be custom integrated for your specific application including provision for all required nitrogen inerting and control. They are also seamlessly integrated into the wider GEW UV system which may be required for gelling or post cure so that GEW can provide a turnkey curing/cleaning solution for your process. Our experienced engineers also ensure rigorous adherence to international safety standards.

Mattifying

- On/off instantaneous matting
- Additive free coatings for increased durability and process simplification
- Gloss levels >2 G.U.
- Fully integrated into pre-gelling and final cure UV system

Cleaning

- High efficacy cleaning on a wide range of semiconductor substrates
- Non contact

Surface modification

- Significant increase in surface energy

Cold process for heat sensitive materials

Low energy, high efficiency UV generation (up to 40%)

Specification

Max electrical power	5W / cm
Peak wavelength	172nm*
Irradiance at focal point	30mW / cm ²
Maximum length	230cm
Standard cross section	164mm W x 130mm H
Cooling	N ₂ / Air
Standard max operating temperature	40°C (104°F)
Standard max humidity	Non-condensing

*222 & 308nm available on request.



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