



UV Curing Systems for Inks, Varnishes, and Adhesives

UV lamps

High-power lamps for maximum quality requirements and long service life

Features

- High-power lamps with specific rated power up to 600 W/cm, others on request
- Outstanding service life
- Special versions: Long Life (LL) and Very Long Life (VL) to extend the service life of UV lamps with very high wall stresses (e.g. «JUMBO» lamps with rated power outputs up to 600 W/cm)
- Doped UV lamps to extend the emission spectrum (iron, gallium, gallium-indium), others on request
- Customized versions (e.g. for customer integration)
- Second-source lamps for machines made by third-party manufacturers

uviterno is a global leader in the development and production of high-power UV radiation units with the smallest form factor. The core of our UV systems are high-power lamps specially manufactured for our UV radiation heads to the highest quality requirements and adapted to the customized requirements of your UV processes.

To reproduce and guarantee the reliability and long service life of our UV lamps, which have specific rated power outputs up to 600 W/cm, only high quality raw materials and production materials are processed in a complex production process which complies with EN ISO 9001. All UV lamps are tested several times during the production process and, in particular, before shipment. This guarantees maximum reliability and productivity for the customer's application. All UV lamps shipped by **uviterno** have a warranty covering their complete service life. The warranty is dependent on the rated output power, the model, and doping.

The most frequently used UV lamp is the standard mercury-vapor high-pressure lamp. It is the universal choice in the majority of UV processes. Doped UV lamps are also available for special applications. Doped UV lamps have a modified emission spectrum of the mercury-vapor discharge. The lamps are specially designed for use where the emission spectrum of mercury has gaps, or insufficient intensity.

All UV lamps are available in ozone-free versions to avoid the generation of ozone by reason of occupational safety, or for technical process purposes. They can be used wherever spectral emission below 240 nm is not required.

