



UV Curing Systems for Inks, Varnishes, and Adhesives

DSK

Compact high-power UV radiation head

Features

- Compact, very narrow high-power UV radiation head
- Very high specific irradiance
- Focused radiation
- Lightweight construction
- Closed-circuit cooling air flow
- Quick-change lamps and reflectors
- Low-maintenance design
- Integrated shutter function

Available as option

- Reflector geometries optimized to the application, from highly focused to homogeneously defocused
- Design with side-mounted plug
- Quartz guard plates with dichroitic surface coating
- Doped UV lamps to extend the emission spectrum
- Ozone-free UV lamps
- Design variant DSK-W: water-assisted cooling to reduce heat when radiating highly heat-sensitive substrates

The **DSK** radiation head is a universal high-power UV radiation head for UV curing applications. Thanks to its compact shape and very high power output, it is suitable both for fitting in confined spaces and for complex curing applications at high irradiance levels.

The **DSK** is a closed system with high UV efficiency. Filtered cooling air is drawn in through the radiation head and then extracted to the outside without interacting with the radiation zone. This protects the irradiated objects from contamination by particles and the cured formulation from impairment of surface quality. Cooling air is fed under temperature and power control to optimize power output and prolong the service life of reflectors and UV lamps, raising the efficiency of your UV process. The **DSK** is fitted as standard with a motor-driven shutter. It protects the radiation zone and substrate from undesirable escaping radiation during process stops.

uviterno offers this high-power UV radiation head in radiation lengths of 150, 250, and 350 mm. Intermediate lengths are available by adapting one of the lengths.

Specifications

UV rated power output	200 W/cm
Shutter function	yes
Housing width	92 mm
Housing height	120 mm
Housing length	dependent on radiation length
UV lamp arc length	100 to 350 mm
Weight (dependent on radiation length)	4.5 to 6 kg
Ambient temperature	max. 40 °C

