



UV Curing Systems for Inks, Varnishes, and Adhesives

SRK Wood-Line

Very efficient UV radiation head for wide-format coating machines

Features

- Compact and very efficient UV radiation head
- Closed cooling principle
- Easy changing of lamps and reflectors
- Integrated shutter function
- Variable arc lengths available on request
- Low-maintenance design

Available as option

- Application-optimized reflector geometry
- Doped UV lamps for enhanced spectral emission
- Ozone-free UV lamps
- Reduced temperature impact on substrate (coated quartz plates and reflectors)

The product line **SRK Wood-Line** is a family of UV radiation heads with very compact dimensions and was developed specially for wide-format coating machines. Temperature sensors and a PID control loop allow for controlling and setting the optimum operating temperature of UV lamps and reflectors at any time. Component cooling is achieved by suction of filtered air. A quartz window transparent for UV radiation shields the internal components from the adverse influence of varnish spray and dust.

A pneumatically activated shutter mechanism prevents undesired exposure in those cases where the UV lamp is operational but no radiation shall be emitted (e.g., during warm-up).

The lamp and reflector geometry have been chosen in order to provide multi-purpose applicability. Depending on process requirements, irradiation in the optimum focal line or in a defocused plane can be provided.

At an arc length of 1450 mm, a maximum specific power rating of 120 W/cm is possible. On request, higher specific power ratings are available for shorter arc lengths.

Specifications

UV rated power output (others on request)	120 W/cm
Shutter function (pneumatic)	yes
Housing width	162 mm
Housing height	226 mm
Housing length	370 mm + arc length
Effective irradiation width (others on request)	1400 mm, 1200 mm, 800 mm
Control voltage	24 VDC
Ambient temperature	max. 40 °C

