



UV Curing Systems for Inks, Varnishes, and Adhesives

SRK cup-line

Energy-efficient UV radiation head for cup printing applications

Features

- Compact high-power radiation head
- Very high optical efficiency
- Power savings up to 40% (directly compared with radiation heads of the «JUMBO» class)
- Focused radiation
- Lightweight construction
- Cooling air outlet via beam exit window
- Quick-change lamps and reflectors
- Low-maintenance design

Application examples

- Cup and tube printing machines with very rapid cycle times
- Mandrel drying for rotation-symmetrical print substrates
- Special-purpose machines

Available as option

- Angle connectors
- Adapter to replace the SBK «JUMBO» Recta
- Doped UV lamps to extend the emission spectrum
- Ozone-free UV lamps

The **SRK cup-line** radiation head is an energy-efficient, cost-optimized, high-power radiation head for rapid-cycle UV curing processes in the cup printing industry.

uviterno has successfully supplemented UV heads from the SBK product line which have been used successfully in the market for many years with the **SRK cup-line** product line. This is an innovative, space-saving radiation head that also optimizes costs. Compared to UV processes with the well know SBK «JUMBO» class radiation heads, the **SRK cup-line** concept allows you to achieve identical productivity, but with power savings of 40% without any trade-off in UV curing results. We managed to reduce the maximum specific continuous power for radiating cups on printing machines at very high cycle speed from originally 530 W/cm («JUMBO») to 330 W/cm. If required, the **SRK cup-line** can also be operated in pulsed mode. The radiation head is fitted as standard with a pneumatically driven shutter. It protects the radiation zone and substrate from undesirable radiation during process stops.

uviterno offers this innovative and energy-efficient radiation head in radiation lengths of 150, 200, and 250 mm.

Specifications

UV rated power output	up to 330 W/cm*
Clocked UV power output	up to 500 W/cm*
Shutter function	yes
Housing width	114 mm
Housing height	92 mm
Housing length	300 mm + arc length (+ adapter, if fitted)
UV lamp arc length	100 to 250 mm
Weight	4 kg
Ambient temperature	max. 40 °C

* dependent on design

