



UV Curing Systems for Inks, Varnishes, and Adhesives

STK/STK-PI

Basic UV radiation head for special purposes

Features

- Compact, very lightweight radiation head
- No shutter
- Air escape via substrate (increases reactivity)
- Budget solution
- Low-maintenance design

Available as option

- All conventional dopings for UV lamps
- Ozone-free UV lamps

The **STK** radiation head features a simple design to meet basic function requirements. Cooling air is blown through the radiation head and escapes out of the radiation window. This prevents the ingress of dirt particles, prolongs the service life of components and increases the reactivity of the UV process. Active control of the air volume flow guarantees optimized operating conditions at every performance level. A thermal protection switch protects the radiation head.

Type STK

The reflector geometry is designed to produce a wide, non-focusing radiation characteristic for dosage-oriented UV curing processes.

Type STK-PI

The reflector geometry is designed to produce a focusing radiation characteristic for UV curing processes which require high irradiance.



The design of the two radiation head variants is optimized to produce a simple, rugged, compact and lightweight shape which fits in tight spaces.

Specifications

Specific output rating	up to 200 W/cm
Shutter function	no
STK housing width x height x length	100 x 96 x arc + 140 mm
STK-PI housing width x height x length	72 x 118 x 340 mm
STK arc length	200, 300, 350 and 450 mm
STK-PI arc length	200 mm
Weight	3 to 5 kg
Cooling circuit tube diameter	80 mm
Air flow	100 to 300 m ³ /h
Ambient temperature	max. 40 °C

