



UV Curing Systems for Inks, Varnishes, and Adhesives

ACS (Air Closed System)

High-power UV radiation head with no exhaust air

Features

- No exhaust air, therefore
 - no costly air intake and removal systems
 - no contamination of expensive components
 - no intake of expensive, air-conditioned pressroom air
 - very high UV efficiency in a compact construction
- Narrow construction ensures a wide variety of installation possibilities
- Designed for all customary printing processes

Available as option

- Attachments and customized light screening devices on request
- Customized substructures on request
- Ozone extraction
- Doped UV lamps to extend the emission spectrum
- Ozone-free lamp design
- Options for additional reduction of substrate temperature (e.g. quartz guard plates with IR blocker function)

UV radiation heads from the **ACS** product line offer new UV curing options thanks to the cooling concept with no exhaust air. Their very compact construction allows for easy integration into almost any machine concept.

The use of **ACS** radiation head systems avoids the need for costly and complex air extraction components. The radiation heads are cooled by a water cooling circuit without any intake or removal of external cooling air. In other words, no air-conditioned air is removed from the pressroom. The cooling concept of the **ACS** radiation heads ensures optimized operating conditions over the entire service life of UV lamps and UV reflectors. The closed air circuit protects the UV lamps and UV reflectors from contamination produced in the form of dust and printing ink by the printing machine.

Specifications

Rated UV power output	200 W/cm
Effective radiation width	250 to 380 mm (intermediate lengths on request)
Dimensions WxHxL	100x140x(arc length + 200) mm
Weight (ACS 250)	8.5 kg
Mounting position	any
Ambient temperature	max. 40 °C
Cooling water inlet temperature	20 to 25 °C
Cooling water flow	3 to 5 l/min

