

LEDcure SCR for rotary and flexo applications



The new LEDcure SCR is specially designed to equip or to retrofit rotary and flexo presses.

This LEDcure is designed by experts with more than 40 years experience of installing UV onto rotary or flexo presses. LEDcure SCR fits perfectly the needs for the productions of labels and will be integrated into your new or existing press by trained IST service technicians.



LEDcure (complete system)	
Wavelength	395 (Std), 385 nm or mixed wavelengths
Power	20 W/cm ² *
Emmission window	54 mm Width
Dimmensions	74 x 122 mm
Operation Temperature	Up to 45°C depending on humidity level
Cooling water temperature	24-26°C
Cooling	Watercooled with STEADYcool technology
Protocoll	Standard I/O
Addressability	30mm steps**
Control panel	15" Secondary touch screen control - mounted alongside the press
Power Output	10-100%
Installation	Simple and quick installation onto press
Field Service	Field serviceable with easily changeable parts
Options	Length scalable in 30mm steps from 90 - 540 mm, watercooled undershielding, installation on cooling cylinder

High performance LEDs: LEDcure SCR is ready to use immediately after switch on, there is no warm-up or cooling times, which saves both time and energy. LEDs have a long service life of greater than 20.000 hours, and in addition, modules in the SCR LEDcure can be easily replaced if required for either upgrade or servicing.

Slim and compact: Slim and compact architecture enables easy integration while the water cooled feature provides a stable and precise high output, that is not affected by the local environment. This modular principle is what makes the LED system variable, allowing it to be used in a highly versatile way. The system can be freely scaled in terms of length and adapted to different press formats and installation situations.

XT8: UV LED Booster



With XT8 UV LED Booster technology, the system reaches an extremely high output and dose which greatly increases cure speeds. An extended servicelife is achieved since the semi-conductor chips are not being driven as hard when compared to other products on the market. The 30% boost in efficiency is available for systems fitted with 385, 395 or mixed wavelength arrays.

* @ 395nm measure at emitting window using an EIT Power Map UV sensor

** Addressability patented by European patent: EP1599340/ GB2399162,

Cross licence with Lumen Dynamics Group Inc. U.S. Patent No. 6,683,421

Full package service: LEDcure SCR is fully scalable in length, so can be tailored to meet all requirements of rotary and flexo presses. The LEDcure SCR is supplied as fully configured package including cables, power supply, control and chiller, including full light shielding and interlocking for total safety compliance. The system will be installed by experienced IST service technician.

XChange: The new XChange concept allows immediate onsite exchange, guaranteeing ideal servicing conditions with minimal down times. The XChange concept makes LEDcure the most flexible and future-proof LED system on the market. It likewise allows mixed mode at different wavelengths and a subsequent output upgrade.

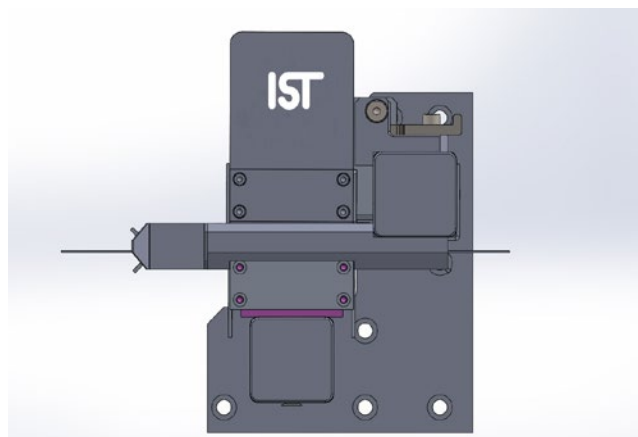
Energy savings: LEDcure is immediately operational, it does not need time to warm up. Additional energy-saving potential is provided by the ability to switch off the unit during pauses in production, adapting the LED unit to the print format and the dimmable output of the LEDcure.

Power supply rack: The SCR power supply series provides the power.

IST service partnership: With regular servicing and maintenance work we ensure a consistently high production quality. Qualified IST technicians complement and expand ideally the regular maintenance and cleaning work carried out by our staff. A consistently high level of machine availability and economical use of the UV systems can therefore be ensured.

Worldwide service directly on-site: IST trained and certified technicians commission the systems on-site and instruct you on the correct use of the system and its technology.

In case of faults, we offer a direct on-site repair service. Besides its headquarter in Nürtingen, IST Metz is represented in 13 further Service and Sales offices and a network of sales representatives.



STEADYcool is specifically for water-cooled UV LED systems. Specially designed water passages fitted with dynamic flow devices which greatly enhance the water cooling surface area ensuring maximum thermal transfer and cooling efficiency. This ensures totally even cooling to within 5 degrees Centigrade and consistent UV output even on the longest of arrays.

Why you should equip or retrofit your press with the new LEDcure SCR:

- **minimises your process time**
- **extreme long service life of LEDs**
- **no warm-up and cooling-down times**
- **cost-saving due to format switching/ addressability**
- **shorter installation time than any other drying system**
- **minimal heat transfer to the substrate, ideal for synthetic and heat sensitive substrates**
- **brilliant print results, perfect gloss with inline coating**
- **no ozone or mercury**
- **no extraction required**
- **LEDs can be switched on/off immediately, no energy use in stand-by**
- **minimal thermal impact on the machine**
- **IST service partnership**

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