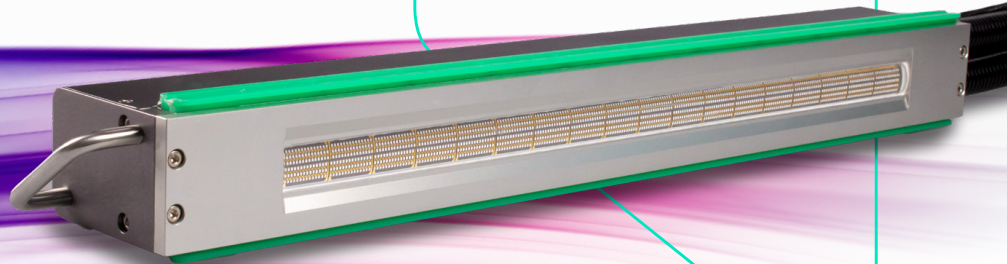


LuXtreme LED UV curing system

Convert your flexo press to LED UV



The LuXtreme LED UV curing system, in combination with the company's new high performance CuremaX flexo inks, allows any traditional flexo press to be converted to LED UV curing to deliver far-reaching improvements to label production on a narrow web press.

Productivity and quality improvements

Thanks to the high performance of the LuXtreme LED UV curing system, productivity and quality improvements are significant. Not only can press speeds be increased, but job set up and make ready times can be reduced as there is less material distortion due to heat.

Improved substrate stability also results in a more controlled ramp up to production speeds, and it is often possible to achieve the required colours much faster with Fujifilm's high performance CuremaX flexo ink system. Add to that improvements to the system reliability with much lower press down time, productivity gains can be significant. Quality also becomes more consistent as the impact of the heat from the UV lamps is reduced, resulting in better registration and less substrate distortion.

Savings in energy, materials, labour and waste

Due to the reductions in power required for the LED UV lamps, cost savings can be made across the production process. The energy savings are significant, but material usage and waste are also reduced, and the lower maintenance required to support the LED UV curing system results in a much lower number of replacement parts, with lower associated labour costs.

Environmental improvements

The LuXtreme LED UV curing system has significant benefits to both the working environment and the environment as a whole. Energy use is reduced, with no energy used in stand-by mode, and the lower amounts of materials used and waste produced all benefit the environment. The working environment for operators is also improved, with many undesirable factors eliminated or reduced, including heat from the conventional UV lamps, ambient noise and odour.

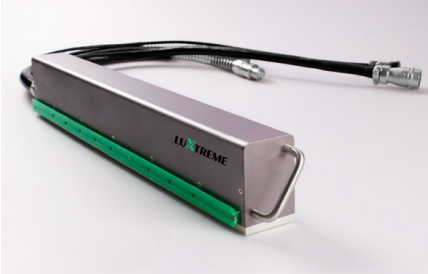
Key features

- High speed, up to 200m/min
- Suitable for heat-sensitive substrates
- Instant on/off with no energy used in stand-by mode
- Sustainable ozone and mercury-free system
- 30-60% fewer LEDs required to achieve same radiant intensity as other comparable systems
- 30-50% higher radiant intensity, up to 25W/cm²
- Special LED adapter allows easy integration on existing mountings
- Up to 50,000 hours LED life
- Up to 720mm lamp length, scalable in 24mm steps

LUXTREME

CuremaX flexo inks

Fujifilm's CuremaX ink ranges include dual cure products designed to work alongside the LuXtreme LED lamp systems with the added benefit of curing under conventional UV lamps. Each CuremaX ink range incorporates a range of colours, process inks, metallic shades and specialist products, and are all formulated to meet the changing demands of the flexo industry. The manufacturing of these products ensure a consistent, high quality result time after time with vibrant strong colours.



Key benefits that CuremaX inks offer include:

- Low viscosity press ready colours
- High colour density
- Adhesion to a wide range of synthetic substrates including top coated PE & PP, PVC, PET, some thermal papers, metallised foils and most commonly available papers
- Suitable for a wide range of applications including self-adhesive labels and unsupported films for sachets and pouches
- Over printable with thermal transfer ribbons and cold foil adhesives
- Good hot foiling properties
- Dedicated Pantone® formulation matching system
- Flexo sleeve white for shrink sleeve applications

Technical specifications

LuXtreme LED UV curing system	
Power consumption	90-100 W/cm
Dose @ 100m/min	200 mJ/cm ² ±10%
Radiant Intensity	20-25 W/cm ²
Ambient operating temperature	Max 35°C
Cooling	Water-cooled
Dimmability	20-100 % // 1%-steps
Run-up time	< 1 s
LED lifetime	Up to 50,000 hours (at 70 % average power)
Wavelength	395 nm
LED suitability	Varnishes, pigmented varnishes, paints
Certification	CE-Mark, REACH; ROHS

For further information: Please contact your local Fujifilm partner



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