Phoseon™ TECHNOLOGY

An EXCELITAS TECHNOLOGIES Company

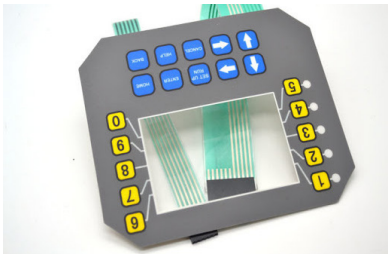
UV LED Curing Solutions for Screen Printing

Nameplates, Overlays and Dielectric Membranes

UV LED technology is an electrically efficient long term curing solution that requires no spare part replacements or ozone ducting.

Advantages over Traditional UV:

- **Improved Adhesion on Digitally Printed Surfaces** - Instantly increase adhesion of flood backgrounds on non-porous digitally printed surfaces with LED curing
- **Small Footprint** — Compact form factor of LED curing systems compared to large mercury UV systems require less space. No exhaust system gives you the freedom to rearrange shop floor for maximum efficiency.
- **Increase Throughput** — LED generates significantly more power allowing for more efficient cure of high density opaque colors with fewer passes.
- **Inks/Coatings Available Today** — LED technology is now available to cure a complete portfolio of screen inks including textures, metallics, powders and fluorescents.
- **Reduce Scrap & Save Money** - No more distortion, curling or discoloration of heat-sensitive dielectric membranes, polycarbonates or thin polyesters. Less heat will also prevent blocking, bricking and the need for preshrinking of materials.



Example: Membrane switches*

Example: Overlays*

Example: Nameplates**

*Membrane switches and overlays printed with Norcote MSK and ELG Series ink.
**Nameplates printed with Norcote 80 and PPC7 Series ink.

Materials

- Polycarbonates
- Mylar and polyester films
- Pressure sensitive vinyl
- Acrylic
- Metals

UV LED Curing Solutions

Our UV LED curing solutions are the most reliable on the market. Starting from 2002 in Portland Oregon USA, Phoseon Technology foresaw the value of LEDs for Industrial Curing applications. With over 300 patents worldwide, Phoseon has earned the reputation for technological innovation, quality and reliability.

FireJet™ ONE Light Source

- Scalable design for edge-to-edge coverage
- Small form factor
- Cooling: Air-cooled
- Power: 20W/cm² @ 385, 395 & 405nm
- TargetCure & WhisperCure technologies
- High irradiance
- Instant On/Off control/cure
- 20,000+ curing hours

Nexus ONE™ Air-cooled Light Source

- Routine maintenance reduced
- No chiller needed
- Easy mounting with common form factor
- Up to 220 m/min (720 ft/min) curing speed

Made in the U.S.A.

Contact Phoseon Today!

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