

# UV LED Curing for Thermal Inkjet

## *LED Light Sources for Coding and Marking Applications*

Thermal Inkjet Cartridges (TIJ) are now available in UV LED curable form for marking and coding applications. They are designed to print well on difficult and low-porous surfaces.

### *Advantages over solvent-based thermal inkjet:*

- ✦ Cost-effective disposable cartridge
- ✦ Low maintenance - nozzles do not clog up
- ✦ Alcohol-resistant
- ✦ Instant cure for higher throughput
- ✦ Better adhesion for a wider portfolio of surfaces
- ✦ High print contrast
- ✦ Available in black or white ink



### *UV LED Curing Applications:*

- Glossy surfaces
- Polyurethane (pharmaceutical tubes)
- Plastics (bottle caps, grocery bags, cartridge packaging, gift cards, containers)
- Medical instruments that require high alcohol resistance during disinfection
- Film (flexible food packaging, candy wrappers)
- Glass (vape tubes)
- Coaxial cables
- Optics
- 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. As the market leader with the broadest portfolio of UV LED units offerings for our key markets, we welcome the opportunity to work jointly with you in developing further innovative solutions.

## FireFly Light Source



- Emitting window size: 20x10mm
- Peak Irradiance: 4 W/cm<sup>2</sup> at 395nm
- Compact form factor (LxWxH = 2.5x1.22x3.54in.)
- Small area and spot curing
- Instant On/Off control/cure
- 20,000+ curing hours

## FireEdge™ FE400 Light Source



- Emitting window sizes: 80, 120, 160, 180, 240x10mm
- Peak Irradiance: 8W/cm<sup>2</sup> at 395nm
- TargetCure™ technology
- WhisperCure™ technology
- Air-cooled, internal fans circulate ambient air
- Instant On/Off control/cure
- 20,000+ curing hours

## FireJet™ ONE Light Source



- Scalable design for edge-to-edge coverage
- Small form factor
- Cooling: Air-cooled
- Power: 20W/cm<sup>2</sup>
- TargetCure™ & WhisperCure™ technologies
- High irradiance
- Instant On/Off control/cure
- 20,000+ curing hours



Made in the  
U.S.A.

## Contact Phoseon Today!

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