



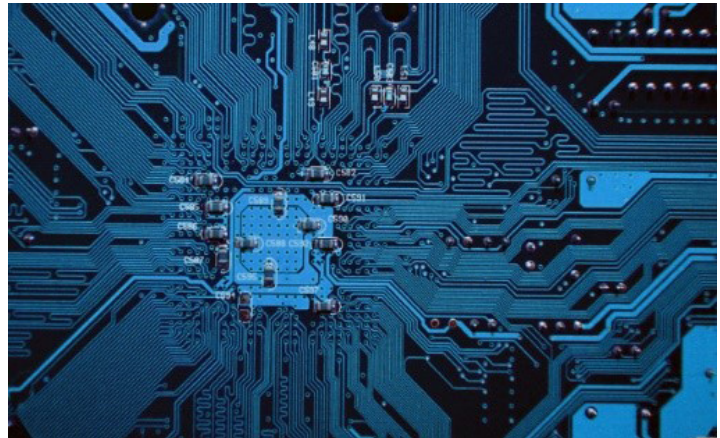
## Belong Electronics Meets the Increasing Production Challenges with Phoseon UV LED Curing Solutions

Reliable and stable LED curing equipment helps the PCB printing industry to improve production efficiency so as to deliver more stable, reliable and refined products to customers.

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### Industry Overview

With the maturity of inkjet printing PCB technology, the PCB manufacturing industry is expected to fundamentally solve the problem on high material and liquid waste. In particular, the maturity of UV LED curing technology makes PCB manufacturing more flexible and accurate, which greatly improves the yield. Today, UV LED curing can basically cover all the technical requirements of the PCB industry, such as solder paste printing, solder joint protection, silkscreen printing, solder mask printing, and engraved line printing. With the continued development of smaller and more layered PCB, the requirements for PCB manufacturing are getting more challenge. UV LED curing lamps have played a decisive role as the key equipment for printing and curing. Reliable and stable curing equipment helps the PCB printing industry to improve production efficiency, reduce defective rate, reduce equipment replacement and maintenance costs, so as to deliver more stable, reliable and refined products to customers.



### Application Advantages

Using Phoseon's FireJet™ FJ100 air-cooled LED curing light source, the end customer can run the PCB silkscreen and solder mask printing processes stably for long, meeting the increasing production challenges with the highest efficiency, turnover rate and yield.

Compared with domestic and foreign LED light source manufacturers, the key advantages of Phoseon LED light source include:

1. Precise stepless power adjustable function (5%-100%): Pre-cure to full-cure can be achieved at the same time by only adjusting the power.
2. Compact form factor: Ideal for the limited space and complex installation structure of the PCB inkjet printer. There are basically no consumable parts, eliminating the need for replacement and maintenance.
3. Stable performance: With the TargetCure™ technology (<https://phoseon.com/industrial-curing/technology/targetcure/>), the continuous and stable output eliminate many possible tedious maintenance work.
4. High power air-cooled design: The air-cooled heat exhaust system eliminates the cost of additional chillers.
5. Instant on and off: The LED lamp can be used immediately without preheating, and can seamlessly correspond to the response time of inkjet nozzle. This is particularly suitable for the scanning high-speed printing requirement.
6. Energy saving and environmental protection: Safe and stable UVA products without mercury ozone and radiation.



## About Belong Electronics

Shanghai Belong Electronic Co., Ltd (<http://www.sh-belong.com/>) was established in 2001. It is a professional company engaged in industrial automation products integration and an agency of imported industrial electrical products. It provides high-quality products, advanced technology and perfect services for various domestic customers. The company provides customers with sophisticated technology, multi-point sales, dedicated and professional staff, and excellent services.

## About Phoseon Technology

In 2002, Phoseon Technology (<http://www.phoseon.com>) pioneered the use of LED technology for UV curing applications. As the world leader in UV LED curing, Phoseon uses patented LED technology to provide ruggedized, high-performance products and application-specific solutions for a variety of applications. The company is 100% focused on LED technology and provides world-wide sales and technical support.



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