

SAVINGS

PrintLED UV LED dryers consume up to 80% less energy than traditional UV lamps. With PrintLED UV LED systems you can also greatly reduce the replacement cost of the bulbs, the maintenance of the shutters and reflectors, labour costs, missed production due to machine downtime, and wastages due to inefficiency.



SAFETY

PrintLED UV LED systems do not produce ozone or UVC; lamps operate at temperatures below 50°C, this means greater SAFETY for operators and less stress on the machines, with evident reductions in maintenance and reduced risk of damage. Our systems also operate at low voltage: 50 V, compared to the approximately 2,000 V required by traditional Hg systems. They are thus safer and more economical.

PRODUCTIVITY

PrintLED UV LEDs stabilise the printing process, they switch on immediately without standby time, allow for continuous regulation from 0 to 100% power, eliminate "degradation" problems on printing machine mechanical parts, reducing machine maintenance and downtime. PrintLED UV LED dryers have an expected lifetime which will allow 200 million consistently high-quality copies to be cured.

EFFICIENCY

PrintLED systems can be supplied with PPS software, compatible with all major management systems, in accordance with European INDUSTRY 4.0 standards in order to allow for remote monitoring and interconnection of the installed systems. This allows for improved diagnostics and faster AFTER-SALES support for our customers. The operating parameters and settings of the printing system can be checked and are displayed both in proximity to the printing equipment and from remote supervision stations, including our support centre.

Projects in numbers

+100

INSTALLATIONS

+80%

ENERGY SAVING

+20

thousand

LAMP LIFE HOURS

5 different main applications



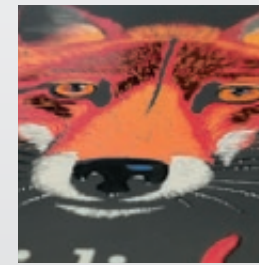
SHEET-FED
OFFSET



METAL PRINT



LABELS



SCREEN PRINT



SPECIAL
PROJECTS

PrintLED
by Printabled

UV LED tech

for graphic arts



Visit our website
printled.it



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PrintableLED srl was founded in 2011, with the mission of offering GREENER printing systems and technologies in order to extend environmental sustainability to all printing processes. Today we are specialised in the design, production and installation of polymerisation systems for inks and varnishes in the printing sector based on UV LED technology.

Our PrintLED (a trademark of PrintableLED) UV LED lamps are 100% DESIGNED AND MANUFACTURED IN ITALY using a modular design concept to allow for QUICK, SIMPLE INSTALLATION, and FAST, EASY MAINTENANCE, in order to minimise machine downtime either during installation or for scheduled and extraordinary maintenance.

Green Technology

The adoption of PrintLED UV LED technology helps companies reduce their carbon footprint (CO2 emissions).

PrintLED has always placed great importance on circular economy and environmental protection, investing a significant portion of turnover each year in developing more efficient and sustainable systems. The major reduction in energy consumption which is the primary result guaranteed by the PrintLED UV LED systems is just one of many EFFICIENCY AND SUSTAINABILITY aspects.

The almost total elimination of ozone, mercury and UVC also makes our systems greener and safer contributing to protect the environment from toxic waste, while also working at much lower temperatures than traditional systems.

Last but not least, the specific inks and varnishes for UV LED do not contain solvents, and thus comply with European regulations in accordance with the Agenda 2030 goals.

PrintLED UV LED next generation curing

Get a new life, with retrofit

PrintLED UV LED can be installed onto existing printing machines alongside or to replace existing drying technologies. PrintLED UV LED can give new life to existing obsolete technology, increasing productivity, reducing energy costs and speeding up production, while reducing maintenance costs. UV LED retrofits increase technological and sustainability credentials while saving energy.





At your service

We have more than ten years of experience in the design, creation and development of UV LED-based techniques for decoration, protection and enhancement of media. The company's twin spirit of experience and innovation is the perfect combination to support customers by studying and analysing all market requirements. PrintLED offers high added value solutions, based on product specifications required by end customer.

UV LED

Evolution of the LED technologies available on the market has led to the latest Series M. It is available with two levels of supplied energy in order to satisfy all customer technical requirements with the lowest possible energy consumption. The patented cooling technology, together with dissipation analysis of the LEDs using FMEA (University of Modena and Reggio Emilia) ensures a constant flow of UV radiation over time.

	M4	M8
		
High Irradiance	X	X
Extra High Irradiance		X
Optics specially designed for maximum performance even at a distance <10cm from substrate	X	X
Designed for pre-cure without tearing, installed as an interdeck. Lightweight, easy to move between printing units	X	X
Perfect curing of inks and varnishes on every type of substrate		X
Complete cure of colours in printing units	X	X
Curing of white and offset varnish	X	X
Curing of double white or high density single white		X
Effective for final cure of card and carboard	X	X
Dot gain reduced for maximum detail rendering	X	X

CUSTOMISED design

All our solutions can be customised on the basis of an initial production process evaluation followed by a targeted approach to understand both the customer's requirements and the trends in the market of reference.

