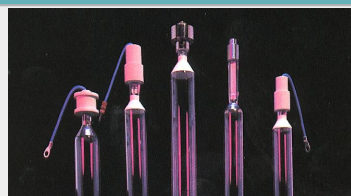
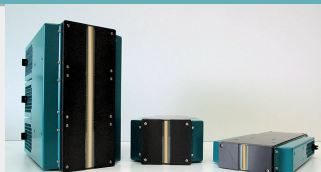


## NEW UV LED LAMPS

## MERCURY UV LAMPS

## ADVANTAGES FOR THE END USER TO PRINT USING UV-LED SYSTEMS



GENERAL FEATURES			
<b>THE CORE OF THE SYSTEM</b>	Silicon Emitting diode LED, supplied by low voltage current	Fragile cylindrical quartz bulbs, which contain mercury. Supplied by high voltages current	High resistance to vibration and shock.No dangerous to human health and easily integrable on printing machines
<b>POWER COMSUMPTION</b>	LOW normally quantified hundreds of Watts/hr	HIGH. Normally quantified thousand of Watts/hr.	High reducing power consumption.The investment cost is recovered by the user in a short time
<b>UV SOURCE LIFE TIME</b>	More than 20,000 working hrs.	Varying from 500 to 2,000 working hours.It depends on the conditions of use and the environment	No UV emitter to replace. No technical maintenance.
<b>HEATH GENERATED BY LAMP</b>	60°C max, measured in lamp emitting window	Greater than 150° C on lamp window.The bulb can reach 900° C after a few minutes of operating	It is possible to print and dry heat sensitive materials without deformations risk or burning of printed media
<b>SWITCHING ON AND OFF</b>	Instant ON/OFF switching (no wait-state)	Re-lighting is not instantaneous.The lamp needs long run-up time and cooling before re-lighting	It is possible to save even more energy lighting the lamp only during drying process, because the lamp switchings on/off do not reduce the LED lamp life
<b>RADIATION TYPE EMITTED</b>	UV-A rays only	Rays emitted UV-A + UV-B + UV-C	Improved safety for the operator.It does not emit dangerous UV-C radiation
<b>COOLING SYSTEM</b>	Simple cooling without any emission of ozone, but only warm air without the presence of fumes	Ozone emission. It is necessary expel fumes carrying them outside building using blowers and piping system well sealed	No need to install blowers and pipes for the expulsion of fumes. The air is only lukewarm and may be released and breathed into the environment
<b>ENVIRONMENT AND HEALTH</b>	No Mercury and other dangerous substances	Contains mercury and metal halide potentially dangerous for the environment	It is not necessary to dispose emitters as special waste
<b>MAINTENANCE REQUIRED</b>	Glass window cleaning only	Frequent ordinary maintenance: glass cleaning, periodic replacement of UV bulb, replacing reflectors, cleaning of filters	Almost absent maintenance costs and production downtime
<b>STABILITY OF UV EMISSION IN THE TIME</b>	About 10% of decrease after 20,000 working hours	20-50% decrease after 3000 working hours, conditioned by the type of use and by the presence of dust in the environment	No bulb to replace, no technical maintenance. Inks drying is constant during the entire life of the lamp.
<b>PRINTING QUALITY</b>	Print quality more constant	Print quality variable with lamp age	LED lamps emit UV light constant over time and do not degrade with working hours. So give greater safety in the quality of the drying
<b>SUPPLY SYSTEM</b>	Full electronic system	Electromagnetic system containing transformers, chokes, capacitors and ignitor.	LED lamp is more compact and reliable over time