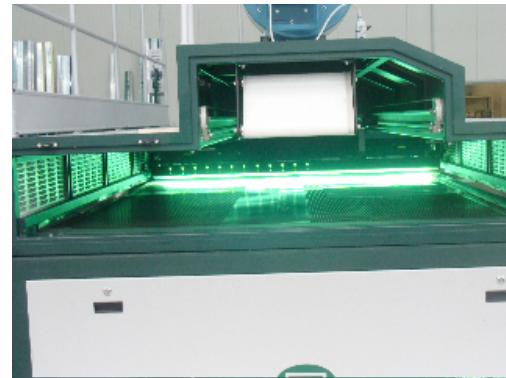


SIASTECH ELECTRONIC UV CURING SYSTEM

REDUCED DIRECT & INDIRECT ENERGY COST BENEFITS

REDUCES DIRECT ENERGY to specifically lower operating cost;

1. Electrical supply voltage is constantly balanced without ominous electrical spikes, saving direct energy cost and eliminating high demand charges.
2. Since the supply voltage is constant the lamps last much longer, curing cycle is more consistent and they can be turned on/off any time for printing adjustments, rechecking or print approvals.
3. Soft/Instant lamp start – no waiting time for UV lamp(s) to power up.
4. All UV lamps are PLC-controlled yielding accurate and stepless UV lamp power from 0 – 400 WPI (0 – 160 W/cm) maximum output settings.
5. Directly after the UV scanning cycle all UV lamps instantly power down in Standby mode to nearly 10% of the maximum selected power output maintaining lower energy consumption.
6. Nearly 40% less “total installed” power supply needed compared to Traditional old transformer powered UV Curing Systems.



REDUCES INDIRECT ENERGY to specifically lower operating costs;

1. The IR emissions are shielded (lowering heat output) during the UV scanning or curing cycle and the UV lamp reflectors rotate 180° directing the lamp energy upwards while the exhaust motor speed setting is lowered via PLC control. This accumulation of heat preventing systems substantially reduces make up air used in your facility.
2. Whether your facility is air conditioned or heated, the energy savings can be significantly reduced by minimizing the heat from the UV source during the curing process and simply exhausting less make up air.
3. Energy cost for heating and air conditioning are reoccurring costs. This reduction of facility resources offers less energy consumed and less tonnage for air-conditioning and/or heating units.

IMPORTANT NOTE: Less consumption of direct and indirect energy resources renders a healthier balance sheet for any company.

“SIASTECH Electronic UV Curing System is an energy miser.”

ALL ENERGY FACETS WITHIN THE SYSTEM ARE MINIMIZED = LESS OPERATING COST.