

## Fujifilm 300 Series LED Flexo Ink

### PRODUCT BROCHURE

A technology breakthrough that allows printing  
with either LED or UV-Arc curing systems

## Transition to the Advantages of LED Curing Technology

### Transition without Multiple Ink Lines

Until now, flexo printers interested in taking advantage of LED curing technology faced an expensive overhaul of their shop floor through the addition of new hardware and additional ink lines. Fujifilm introduces a technology breakthrough offering a single LED cure flexo ink system that performs equally well under LED curing or conventional UV-Arc curing.

Fujifilm 300 Series is proven to deliver excellent adhesion to all of the film and paper substrates you currently run and is even usable for shrink applications without adding chill rollers to your press.

The full ink line includes process colors, line colors and matching colors and even Fujifilm's acclaimed Supernova White and varnishes. All at a price that's competitive with the conventional UV ink you're currently using, running at UV ink speeds or even faster.

### Redefine Your Production Environment

LED curing uses light-emitting diodes to convert electrical current into light without producing equipment damaging and health-compromising ozone emissions. The narrow spectrum of the UV-A light from LED curing eliminates the need for costly and noisy exhaust fans and produces virtually no heat, while reducing odor. The compounding benefits of LED curing technology include a dramatic reduction in energy costs, a measurable decrease in maintenance costs and a host of environmental advantages your operators will celebrate.

Energy Savings	Conventional UV-Arc	LED
Lamp Power for Warm-up	Yes	Eliminated
Lamp Power for Cool-down	Yes	Eliminated
Lamp Power for Printing	Always On	Instant On/Off
Exhaust Fan Power	Yes	Eliminated
Conditioned Make-up Air Power	Yes	Eliminated

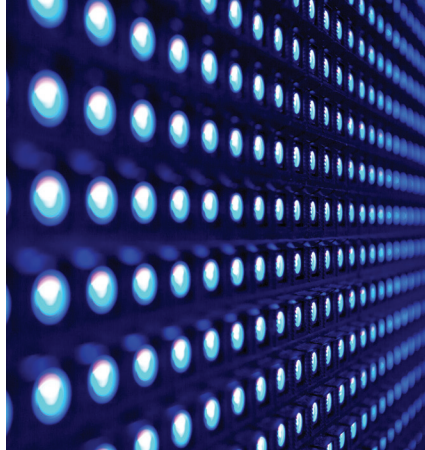
Lower Maintenance Costs	Conventional UV-Arc	LED
Lamp Replacement Schedule	1,000 Hours	20,000+ Hours
Lamp Shutters	Yes	Eliminated
Reflectors	Yes	Eliminated
Spare Parts and Repair Labor	Yes	Reduced

Environmental Advantages	Conventional UV-Arc	LED
Mercury in Lamps	Yes	Eliminated
Ozone (VOC's) Produced	Yes	Eliminated
Exhaust Fan Noise	Yes	Eliminated

Other Advantages	Conventional UV-Arc	LED
Thin/Heat-sensitive Substrates	Yes with Chill Rolls	Yes, No Chill Rolls
Time to Warm-up/Cool-down	Yes	Eliminated

## How LED Drives Down Operating Costs

LED curing is an instant on/off process, dramatically lowering energy consumption and stress on lamp bulbs experienced in conventional “continually-on” UV-arc curing. Combine these savings with the elimination of costly air make up and exhaust fans and annual shop savings can be reduced by over 90% for utilities, parts and maintenance.



## Annual Cost Comparison Example

Estimates based on annual expenses for operating an 8-station 10” web, single shift

Category	Elements Included	UV Arc Lamp	LED Lamp
<b>Replacement Parts</b>	Reflectors, bulbs	\$ 6,400.00	\$ 0.00
<b>Maintenance Expense</b>	Shutter operating, ductwork, plenum, filter for cooling agent	\$ 1,450.00	\$ 50.00
<b>Utility Costs</b>	UV lamps, cooling air blower, ozone extraction system, heat makeup air power	\$ 23,375.00	\$ 1,300.00
<b>TOTAL ANNUAL COSTS PER PRESS</b>		<b>\$ 31,225.00</b>	<b>\$ 1,350.00</b>

