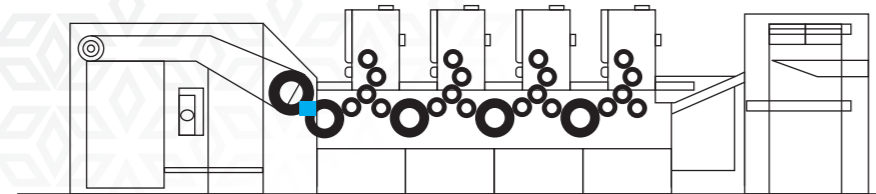


## Dizario few UV LED Customer

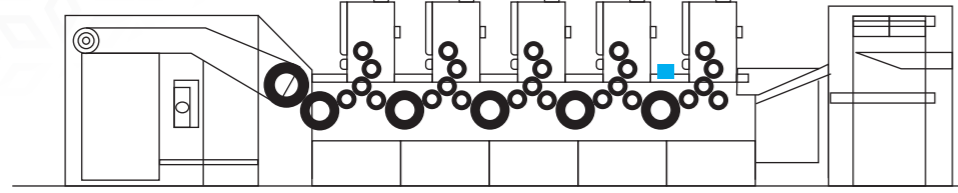
**CUSTOMER NAME**  
**ASOKA PRINTERS**  
**B.C PACKWELL**  
**COLOR INDIA**  
**DIGITAL PRINT SOLUTION**  
**GRAFIKS INDIA**  
**GANDHI TRADERS**  
**PACK IT**  
**GEETA ENTERPRISES**  
**PB ENTERPRISES**  
**PRADIPAM OFFSET**  
**PRINT BEST CREATIONS**  
**GIRDHAR ENTERPRISES**  
**SMAT FORMS**  
**SAI RAM CREATIONS**  
**NAVEEN PRINETRS**

**CITY**  
 KANPUR  
 LUDHIANA  
 KANPUR  
 JAIPUR  
 Delhi  
 INDORE  
 INDORE  
 DELHI  
 LUDHIANA  
 AHMEDABAD  
 NARAINA  
 CHANDIGARH  
 DELHI  
 DELHI  
 KANPUR

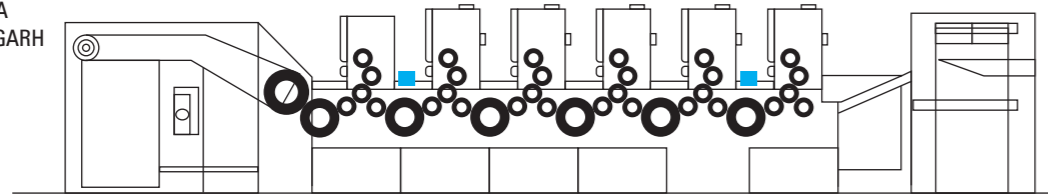
and many more...



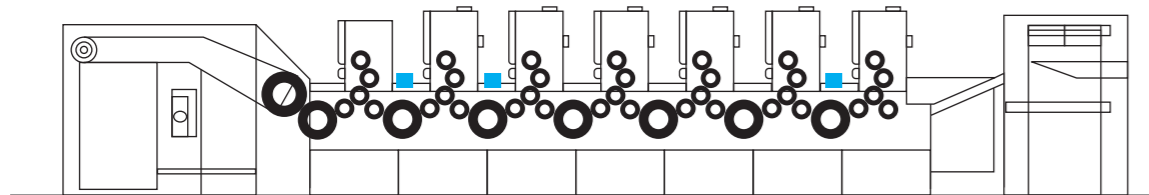
One LED EOP. Configuration on a Four Colour Offset



One ID + One EOP LED. Configuration on a Four Colour Offset



One ID + One EOP LED. Configuration on a Five Colour Offset + 2 Mercury UV System



One ID + One EOP LED. Configuration on a Six Colour Offset + One ID Mercury UV System + 2 EOP Mercury UV System

### Why LED ?

General Features	LED UV (Light emitting diode)	Mercury UV	Advantage of LED
Basics of Systems	Silicone Emitting Diode LED	Fragile cylindrical quartz bulb	High resistance to vibration and shock
Power Consumption	Low normally quantified hundreds of Watts/hr.	HIGH normally quantifies thousand of Watts/hr.	Power consumption is 80% less: thus investment cost is recovers by the user in a short time
Dizario LED Life Time	More than 25000, working hrs It depends on the condition of working environment	Varying from 500 to 2,000 working	No UV emitter to replace
Temperature during operation	60°C max. measured in lamp emitting window	Grater than 1350°C on lamp window The bulb can reach 900°C after a few minutes of operating	LED is instant ON/OFF there for save ample energy over mercury UV System
Type of Source	Monochromatic source for 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
Environmental/Health issues	No mercury and other dangerous substance Environment	Contains mercury and metal halide potentially dangerous for the health	It is not necessary to dispose emitter as special waste
Maintenance Required	Glass window cleaning only	Cleaning, periodic replacement of UV Bulb, replacing reflectors, cleaning filters etc.	Almost zero maintenance cost
Quality of Printing	Printing quality more constant	Electromagnetic system containing transformers, chokes, capacitors and igniter	LED lamps is more compact and reliable over time speed



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LED UV SYSTEMS | INTERDECK SYSTEMS | SCREEN PRINTING MACHINES | UV CONVEYOR | ANILOX COATER

### DIZARIO INDUSTRIES

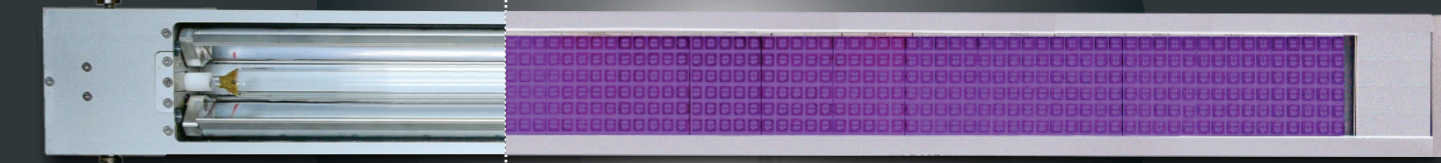
FCA - 120, Yadav Colony, Near Yadav Dairy,  
 Mohna Road, Ballabgarh, Faridabad - 121004  
**Mob :** + 91 9911998328 | 9711133047  
**Email :** anil.saini39@gmail.com | sankoch22@gmail.com



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## LED UV CURING SYSTEM



.....Best curing solution for a PERFECT printing

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LED technology has become a real alternative solution in the sphere of light curing. To date, the efficiency of both the individual LEDs and the system as a whole have been increased, resulting in further improved drying quality. Simple integration, dispensing with ozone and mercury and the lack of thermal radiation favour a broad range of applications for this technology in industrial curing.

Whether in the curing of printing inks, adhesives or varnishes on various substrates – LED UV curing is seeing high growth rates in coating industries. However, distribution of the two technologies differs widely in the various segments. Overall, LED systems are most frequently used in inkjet and adhesives applications.

#### What is LED UV CURING

LED UV systems are used for materials that contain photo initiators, for example in applications for curing adhesives in bonding or sealing processes or for drying materials such as inks, lacquers, paints, and clear coats. Especially UV light, leads to photo polymerization or radiation curing.

#### Consistent Print Quality

- No set-off, so printed sheets can be stacked immediately after printing
- No color change due to dry-down

#### Shorter Lead Times

- There is no need to wait for Printed sheets to dry, work can immediately
- No space is needed to store printed sheets while they dry
- Synchronize with master press



#### No Ozone Smell

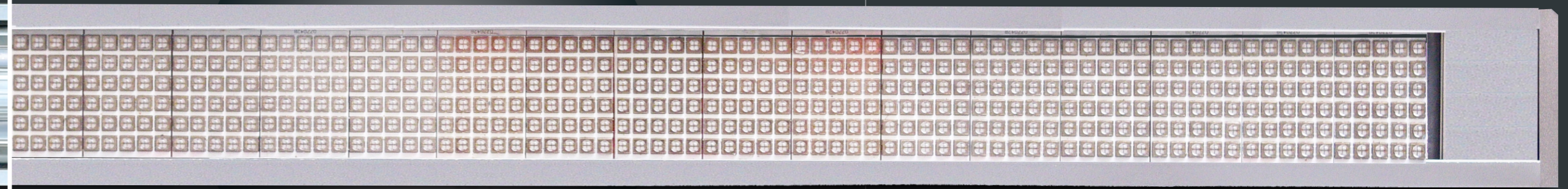
- No need to install deoxygenating equipment or exhaust ducts
- LED-UV systems can be used in congested area

#### Greatly Reduced Power Consumption

- LED-UV uses 1/8th of the power a conventional UV Lamp system as needs
- Light source can be instantly switched on/off to suit the operation status
- Reducing power consumption during job turnover
- Curing length available 100mm to 1600mm
- Power intensity - 8w/cm<sup>2</sup>-30 w/cm<sup>2</sup>
- Printing speed 225 meter/minute
- Wavelength - 365nm, 385nm, 395nm \$ 405nm
- Easy to maintain & user-friendly
- Step power control 5% to 100% for LED
- Individually replaceable chip ø



### Efficient LED UV CURING Technology for Coating Industries



## LED UV CURING SYSTEM

.....Best curing solution for a PERFECT printing

### SHEET-FED OFFSET & FLEXO PRINTING

#### PRODUCT FEATURES

- Easy To Install & Compact Design
- Only 1 LED Cassette required for 4 colour
- Compatible with all Presses
- Life of Diode 25000 working hrs
- Wave length is 365 - 395 nm
- About 80% Power Saving
- Single Touch Operating System
- No Heat Generated such as Conventional UV

#### Area of APPLICATION

- Printing Industry
- Rubber Industry
- Automobile Industry
- Wood & Floor Paint Industry
- Fungi & Sterilization Treatment



#### Environment Friendly

- Powerless printing ensure a cleaner work environment
- LED-UV ink is recyclable and easily removable
- Lower energy consumption leading to reduced Co2 emissions O<sub>3</sub> (ozone)
- Substrate moisture retention
- Birmingham Printing Commitment to Environment Friendly Print

#### Compatible With Special Media

- Printing is possible on resin film, PVC, PET, PC, PP etc.
- Synthetics Sheets
- Metalized sheet Printing
- Gumming Sheet Printing
- Vinyl Sheet Printing
- Other types of special media

#### No Infrared Light

- LED-UV perfecter produce no infrared light, so the unit generates much less heat
- LED-UV emit very little infrared heat 60°C unlike conventional UV \$ H-UV
- Printed sheets do not shrink due to heat
- The LED-UV system is compatible with resin film and other media

#### Long Life

- Conventional UV Lamp Systems = 1,000 lifetime hours
- UV Lamp systems must be remain illuminate during job changeover, the LED-UV system can be switched off
- Low maintenance required
- One LED-UV is ample for four color printing

