DLICAN
PRINTING WORLD

# UV MESH BELT PRINTER
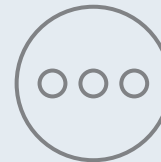# SERIES DLI-1800RP

HYBRID
1.8M



**High Precision**   **High Produtivity**   **High Quality**   **Be Widely Used**

شركة النجم الرقمي للاَلات و المعدات
## DIGITAL STAR MACHINERY AND EQUIPMENTS

# SOURCE OF
# DIGITAL SOLUTIONS

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.
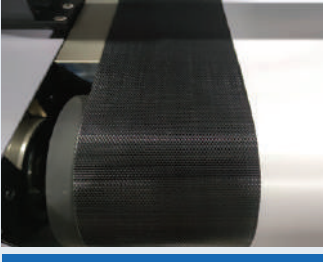
## UV HYBRID
## 1.8M DLI-1800RP

## Appication Industry

Widely used in advertising industry, light box soft film, cosmetic packaging materials and other industries, flat roll one, flat roll dual use wider print range.
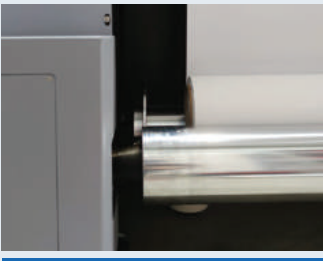
## Product Characteristics

### Ultra Wide Mesh Belt Printing Platform

The Mesh belt printing platform is supported by aerospace aluminum suction platforms, which can make machine operation more stable & with higher accuracy. Roll materials printing and flatbed materials printing modes are supported. The ultra-wide-format mesh belt printing platform offers broder application possibilities
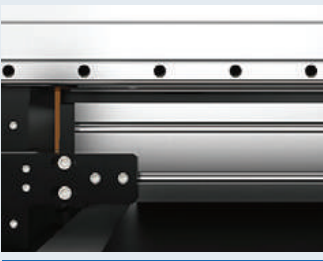
### Megnetic Linear Motor

The magnetic levitation linear motor offers faster speed, higher precision, and stronger stability. At the same time, it possesses the characteristic of wear resistance, ensuring durability.
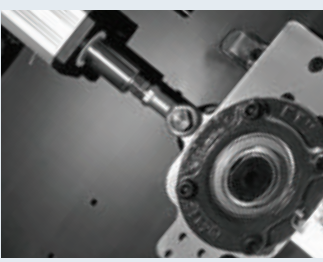
### Front and Rear Loading and Unloading System

The design of the multi transition roller structure ensures smooth operation and printing accuracy when printing the coil material. The front and rear loading and unloading system are user-friendly, making loading and unloading more convenient and efficient.

### Y Axis Precise Positiong

The Y-Axis can accurately locate printing materials and automatically lifting, making material printing convenient and fast. Additionally, it prevents misalignment to ensure printing accuracy.

### Mesh Belt Automatic Correction System

The Automatic deviation correction system makes the mesh belt running more stable, avoiding frequent manual adjustment which cause the belt deviated, and makes operation more convenient.

### Dual Variable Frequency Fan

The dual variable frequency fan can adjust the suction air volume and reduce energy consumption, while also providing more uniform suction platform.

### All Steel Frame Structure

The machine has an all steel integerated structure and multiple dense and stable support points, with a more reasonable structure and stronger stability. The all steel integrated structure can be used normally for five years without deformation.
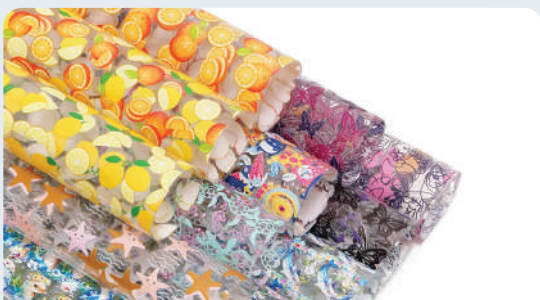
## PRODUCT SAMPLES

**Light-Box Fabric**

**Stretch Ceiling Membrane**

**Floor Sticker**

**Wood Wallpaper**

**PVC Soft Film**

**Glass Advertisement**

# Technical Parameters

| Mode of Equipment | DLI-1800RP |
|---|---|
| Printing Size | 1800mm |
| Curing System | UV Light Curing |
| Print Head Type | Konica 1024i/ Ricoh G5/ Ricoh G6 |
| Print Head Quantity | 4-12 and can be customized |
| Printing Color | CMYK + LcLm + W |
| Printing Precision | 720*900DPI / 720*1200DPI / 720*1800DPI |
| Printing Height | 0mm - 50mm can Customize |
| Ink System | Continuous ink Supply/ Volume: 2500ml /Ink Intelligent Stirring |
| Lifting Function | Carriage Lifting electronic automatic/ manual intelligent induction detection and adjustment height |
| File Format | TIFF (RGB & CMYK), BMP, PDF, EPS, JPEG |
| RIP Software | Riprint, ColorGATE RIP, PhotoPrint, and Supporting Various Printing Softwares |
| Data Interface | Gigabit network interface/ USB High Sped USB transfer interface |
| Driver Software | Microsoft Windows 10 |
| Operation Environment | Temperature: 20°C-32°C / Humidity: 40-70% |
| Power Requirement | AC220V (± 10%) : 50Hz: P:8000W |
| Printer Dimension | 4390mm * 1660mm * 1450mm |
| Printer Weight | 2300Kg |

*Specifications are subject to change without prior notice, all rights reserved.

# Printing Speed

| Printing Speed | 4PASS | 6PASS | 8PASS |
|---|---|---|---|
| Single-row configuration Scheme | 32m²/h | 25m²/h | 18m²/h |
| Double-row configuration Scheme | 56m²/h | 42m²/h | 30m²/h |
| Three-row configuration Scheme | 72m²/h | 60m²/h | 48m²/h |
| Three-row Ricoh Print Head | 65m²/h | 48m²/h | 32m²/h |

Konica 1024i head scheme: Single row: 4-6 heads I Double row: 8-12 heads Three row: 12-18 heads Three row Ricoh scheme: 6-9 heads

## SYSTEM REQUIREMENTS (PC's)

| | |
|---|---|
| Operating System* | Windows 10 (64 Bit) / Windows 11 (64 Bit) |
| Processor | i7 - 2.2 GHz or faster |
| Memory (RAM) | Min. 32 GB or more |
| Video Card and Monitor(VGA) | 1280x1024 or Higher Resolution is Recommended |
| Working Hard Disk Space | 1 TB SSD or more recommended |
| Optical drive | DVD-ROM |
| Other requirements | High Speed Gigabit Network Card |
| | 3.0 USB Ports and PCIE Slot |
| Recommended Brand | Lenovo/ Dell |

* Note: You can use a laptop or desktop computer

* Use the original operating system. If you are using priated operating system, we are not responsible for any damage to machine workings, and also the warranty terms will become void.

## OTHER REQUIREMENTS

| | |
|---|---|
| Power Requirements | AC220V; 50HZ/60HZ; P:8000W |
| Power Stabilizer | Minimum 8KVA Automatic Voltage Regulator |

## UV HYBRID
## 1.8M DLI-1800RP

## Terms and Conditions

01. Payment to be made in SAR currency.

02. Payment Terms : As mentioned in Quotation.

03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.

04. Any charges, duties, taxes or levies at the ports of entry will be to our account.

05. The charges of loading, boarding and local conveyance of the technician will be to our account.

06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.

07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.

08. Warranty will be 12 months from the date of installation from Digital Star Machinery and Equipments. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Machinery and Equipments.

09. Service will be free of cost within 12 months from the date of installation.

10. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.

11. Delivery: As mentioned in quotation