

TECHNICAL SPECIFICATIONS

Print technology	DOD piezoelectric inkjet print technology
Printing modes	Table printing: scanning or single-pass printing technology Roll-to-roll table printing: scanning printing technology Continuous printing: single-pass printing technology
Curing equipment	UV-LED lamps
Ink type	UV curable ink
Ink colors	Up to 8 ink channels; (CMYK) × 3, (CMYK + V/ W/ Spot) × 3, (CMYK + V/ W/ Spot + V/ W/ Spot) × 3
Ink tanks	3L per color, double-inlet bulk tanks with liquid level sensors
Number of print heads	Up to 12 print heads
Substrate type	Table printing: folding cartons, PVC, wood, glass, foam board, acrylic, tile, metal, plywood, plastic, etc. Roll-to-roll table printing and continuous printing: coated and uncoated paper, self-adhesive label stock, aluminum foil, white and transparent films, PP, PE, PVC, PET, BOPP, etc.
Substrate thickness	Up to 40mm (1.57")
Unwinder capacity (Max.)	Rolls: 50kg (110.2lbs) weight/ 380mm (15.0") diameter with 76.2mm (3") inner core Rolls with diameters of more than 380mm (15.0") can be optionally supported.
Table size (W × D)	1200mm × 350mm (47.2" × 13.8")
Max. print zone	Table printing (W × D): 1100mm × 330mm (43.3" × 13") (Scanning) 1100mm × 324mm (43.3" × 12.8") (Single-pass) Roll-to-roll table printing (Width): up to 330mm (13") Continuous printing (Width): up to 324mm (12.8")
Dimensions (W × D × H)	3500mm × 900mm × 1785mm (137.8" × 35.4" × 70.3")
Environment requirements	Temperature: 16-28°C (61-82°F) Relative Humidity: 40-60% (Recommended) Altitude: up to 1000m (3281ft)
Power requirements	Frequency 50/ 60Hz; Voltage 230V±10%; Power 6.6KW/ 30A
Optional equipment PC	Intel 4 Core i7, 16GB dual-channel, 500G
User interface	Printer Control Software (PCS)
Software	ColorPRINT RIP Software; MagicPage VDP Software
Connectivity	PCIe card; Fast Ethernet (100Mbit/ s)

For other print head models and more customized configurations, please contact us for your requirements.

APPLICATIONS

Packaging and Specialty Labels

- Special food and beverage
- Body and health care
- Household chemical
- Industrial and security labels
- Electronics and automotive labels

Decorations

- Stationery and toys
- Novelties and gifts
- Control panels and electronics
- Cards
- Award plaques

Variable Data Printing

- Tickets and envelopes
- Transpromos
- Lotteries/ bingos
- Security printing
- Business forms



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LPS330

High-productivity & Versatile UV-LED Inkjet Printer



- Single-pass Printing
- 3D Embossed Effects
- Varnish Printing
- Short- & Medium-run Printing
- Variable Data Printing (VDP)
- Personalized and Custom Applications

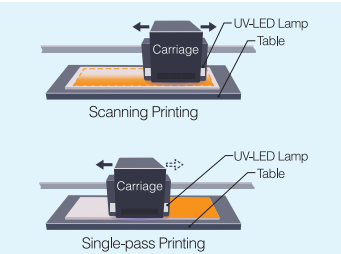
LPS330 is an advanced, versatile and cost-effective UV-LED inkjet printer for short- & medium-run jobs. The highly engineered and compact design of LPS330 integrates the functions required for packaging and specialty labels, industrial decorations, and variable data printing applications.

UV-LED inkjet technology means less material pre-treatment and less post-print coating work is needed compared with other technologies, such as flexography, gravure, screen printing, and water-based inkjet printing. LPS330 will be an ideal choice for you to respond to the increasing demands for personalized & custom printing, and sample printing.

Offers versatile and powerful sheet or roll solutions
for rigid, flexible, thick or thin substrates

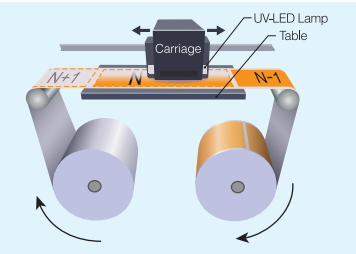
As an all-in-one printer, LPS330 has the tools all you need to enter the digital printing world. Scanning and single-pass inkjet printing technology will be simultaneously achieved on one LPS330 printer. You will not only enjoy photographic image quality from scanning technology, but also obtain short-run production speed from single-pass technology.

In **table printing mode**, LPS330 enables to directly print on rigid substrates. Templates for special items, such as stationery, cards, gifts, and novelties, are supported.



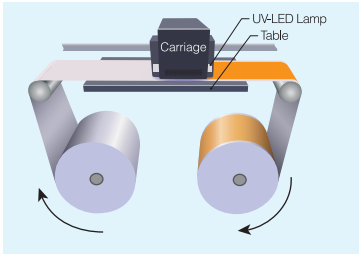
- Table printing mode:
- Scanning or Single-pass printing available
 - Vacuum table size: 1200mm×350mm
 - Maximum print zone: 1100mm×330mm (Scanning) 1100mm×324mm (Single-pass)
 - Maximum Z-axis height: 40mm

In **roll-to-roll table printing mode**, LPS330 is the combination of common scanning printing and web press technology. LPS330 allows you to produce eye-catching, distinctive prints for a wide variety of applications.



- Roll-to-roll table printing mode:
- Scanning printing available
 - Roll feeding page by page with the length of 1100mm
 - Vacuum table size: 1200mm×350mm
 - Maximum print width: 330mm
 - Maximum print length: roll length

In **continuous printing mode**, LPS330 achieves high-speed printing with the linear speed of up to 20m/ min. and is suitable for finishing or coding & marking printing with varnish or black ink on pre-printed rolls.



- Continuous printing mode:
- Single-pass printing available
 - Continuous roll feeding
 - Maximum print width: 324mm
 - Maximum print length: roll length

3D printing realizes valuable and versatile applications

Finishing & embossed effects. 3D printing enables you to achieve remarkably rich and special effects ranging from gloss or matted finishes for overall or only appealing parts, to texture or embossed effects. LPS330 also supports to build up raised ink layers on a wide range of thick substrates.

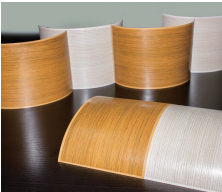
Braille printing. With the ability to print high-adherence and easy-to-sense Braille letters, LPS330 is an ideal Braille printing solution for specialty labels, packaging, and commercial applications, especially for printing Braille on pharmaceutical boxes and specialty labels to describe medicine names and dosages.



Embossed effects with Varnish



Multiple layers built up to form a red fish with embossed effects



Texture effects with CMYK inks and White ink



Braille dots on a pharmaceutical box printed with Varnish



Embossed effects on award plaques

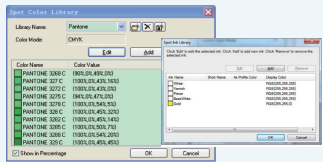


Raised tactile guide/warning signs using UV curable ink

Achieve consistent and brilliant color reproduction

Logos & recognizing color printing. LPS330 supports professional color management workflow and is compatible with various international standard ICC profiles. LPS330 enables you to print spot colors with combinations of 4 or 6 process inks, or with spot inks. It helps you to meet even stringent corporate brand requirements while printing corporate logos and recognizing colors.

Outstanding white color printing. The White Ink Printing feature including under-printing and over-printing offers outstanding solid and opaque white ink layers on transparent films or metallic substrates. High quality images without white stitch lines can be obtained thanks to the Choke feature.

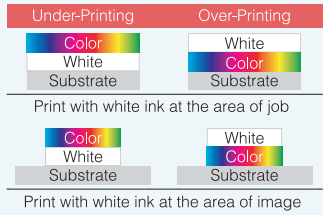


Spot Color Library

Comprehensive technologies offer excellent outputs

High-quality printing. Equipped with industrial DOD piezoelectric print heads, featuring up to 600dpi physical resolution, LPS330 produces small-sized texts and crisp, clear, easy-to-read barcodes. Amica's proprietary VDS (Variable Droplet Size) control technology realizes sharp images with fine details of graphical elements, smoother gradients and vivid colors.

Print head maintenance. Based on an all-in-one design concept, the small and compact Print Head Maintenance Module allows automatic purging, wiping and capping for convenient unattended operation.



The Active Negative Pressure System ensures high-quality printing at higher firing frequency. The Intelligent Anti-collision System suspends the printing immediately in case of any object intrusion.



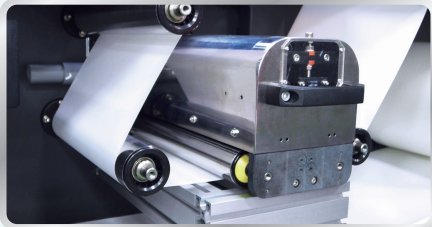
The CCD Vision Sensor enables to identify black marks for positioning and overprinting varnish patterns, variable data or images on pre-printed rolls.



The Advanced Servo Drive System, Intelligent Tension Control System and Automatic Skew Adjustment Unit ensure high-precision and high-speed media feeding.



Vacuum Table keeps media stationary for accurate color registration during the whole high-speed production.



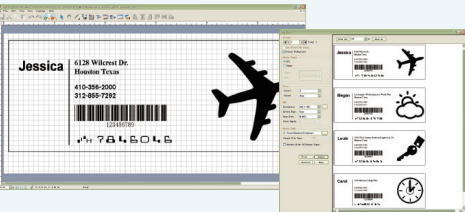
Corona Treatment System effectively pretreats the surface of substrates to improve the adhesion of inks.



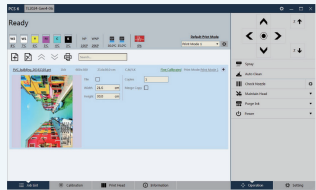
Splice Table with easy access to fast roll switch and comfortable working position largely reduces downtime and material waste.

Variable Data Printing

LPS330 works seamlessly with the MagicPage VDP software and Printer Control Software for monochrome or color variable data printing (VDP). Several types of variable data, such as text, dates, times, graphics, logos, serial numbers, barcodes, and photo images, can be printed out whether using scanning or single-pass inkjet printing technology.



MagicPage VDP Software



Printer Control Software



Code 39