

LZ Series

UV-LED WEB INKJET PRINTER

• *Tags/ Labels/ Tickets* • *Garment Accessories*

- Small Footprint
- Variable Data Printing (VDP)
- Max. 54mm/ 75mm Print Width
- Up to 30m/ min.
- Monochrome/ Dual-color Printing
- Custom Ink Colors
- Up to 600dpi Print Resolution
- Involving Multiple Patented Technologies



PERSONALIZED AND CUSTOM APPLICATIONS

JIT Print, Zero Inventories

LZ Series is an economical narrow-format UV-LED web inkjet printer for short-run digital printing. As AMICA's new development to the label and hangtag inkjet printing market, it brings out exquisite print quality, superior productivity and great flexibility. Equipped with industrial DOD piezoelectric print heads, featuring up to 600dpi physical resolution, LZ series produces small-sized texts and sharp, clear, easy-to-read barcodes. Tailored for brand owners, manufacturers and retailers, LZ series is actively responding to demands on personalized and customized printing arising from the consumption upgrading.



Based on highly modular design concept, LZ series can be configured with versatile post-printing modules, such as cutters/ dotting cutters, rewinders, detachers, die cutting or cross-cutting. It is widely applied in logistics, retail, industrial manufacturing, clothing, and pharmaceuticals industry.

Visualized Window

enables to inspect printing status, preventing UV light leakage.

Vacuum Table

keeps media stationary for accurate registration during the whole production.

UV-LED Curing System

ensures instant ink curing for high speed printing and consistent print quality.

Active Negative Pressure System

provides high-quality printing at higher firing frequency.

Ink Supply System

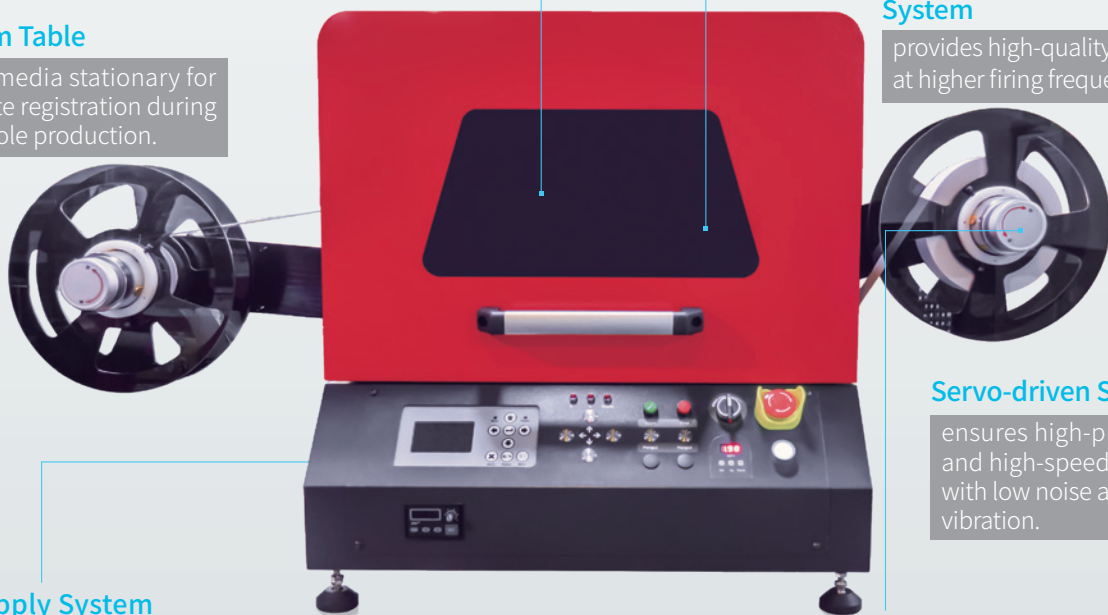
1L bulk ink tanks; built-in liquid level sensors for alarming the shortage of ink; anti-overflow unit prevents ink from flowing out, keeping related components intact.

Servo-driven System

ensures high-precision and high-speed printing with low noise and slight vibration.

Automatic Unwinder & Rewinder

integrated with reliable metal rollers; available with max. 110mm (4.33") roll-fed width and max. roll diameter of 300mm (11.8").



FEATURES

Increase Profitability with Simultaneous Dual-color Printing

LZ series offers simultaneous printing of two spot inks, and the ink colors can be customized. It helps you to meet stringent corporate brand requirements while printing various labels, hangtags, garment accessories, corporate logos and recognizing colors.

Expand Applicability with UV-LED Technology

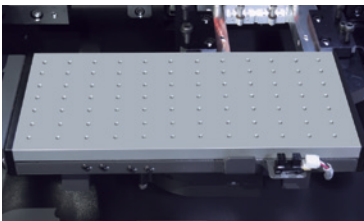
With the advanced UV-LED curing technology, LZ series supports a wide range of substrates, outstripping other small-scale water-based label printers and thermal transfer printers.

Promote Flexibility with Adjustable Printing Positions

LZ series allows for adjustable variable data printing positions. The target printing positions of variable data usually change with different printing jobs. LZ series enables you to meet the demand of each job.

Optimize Performance with Convenient Maintenance System

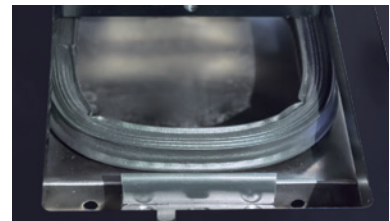
Adopting drawer-type design, Automatic Print Head Maintenance System allows purging, wiping and capping to promote performance and decrease maintenance expenses.



Vacuum Table



Bulk Ink Tanks

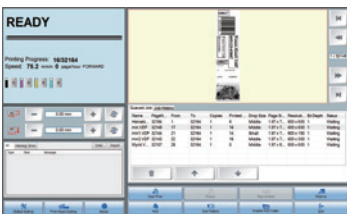


Automatic PH Maintenance System

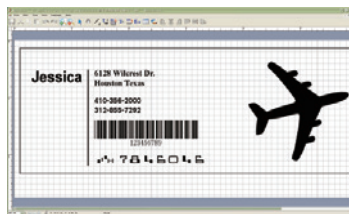
SOFTWARE

Professional Printer Control Software (PCS Pro) installed on the PC is specifically customized for Variable Data Printing (VDP). It offers a user-friendly interface to interactively control LZ series, monitor its status, and set its options. With easy operation and maintenance of the printer, PCS Pro greatly enhances print productivity and efficiency.

MagicPage VDP Software offers a simple and flexible Variable Data Printing (VDP) workflow with the online and offline modes. Users can directly print VDP jobs with the MagicPage installed on the Client PC. MagicPage also enables users to design and modify the output templates by extensive editing tools.



PCS Pro Main Window



MagicPage Main Window



MagicPage RIP Window

LZ Series supported fonts and barcodes:

- Texts, numbers, graphics, dates, time, serial numbers and images
- True Type and Open Type
- 1-D Barcodes: EAN 13, EAN 8, Code 39, Code 128, Codabar 2 Widths, GS1 DataBar (RSS-14), Interleaved 2 of 5, UPC-A, and USPS PostNet
- 2-D Barcodes: PDF417, QR-Code, and Data Matrix

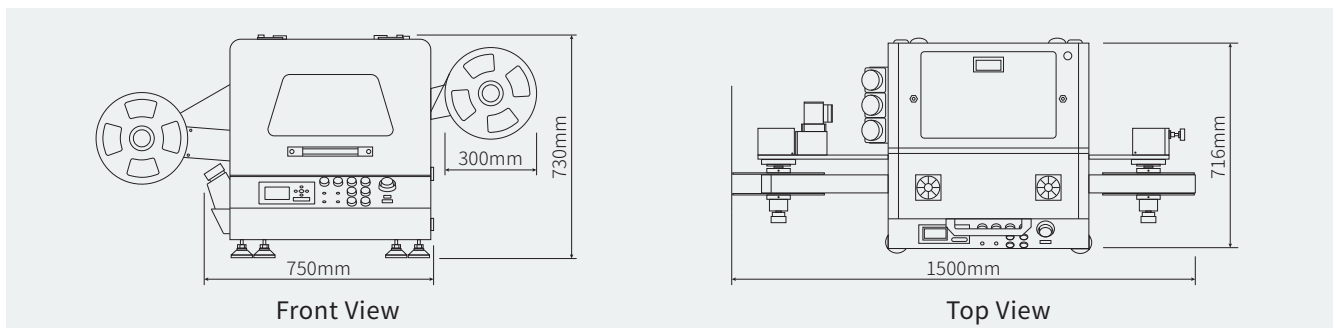


BASIC SPECIFICATIONS

Print technology	Print heads: DOD piezo electric print heads Print head maintenance: Automatic Print Head Maintenance System for purging, wiping and capping
Curing system	UV-LED lamp
Ink	Ink type: UV curable inks, dual spot colors Ink tank volume: 1L
Media	Handling: tight web continuous roll feed Types: self-adhesive label stock, coated and uncoated paper, writing paper, synthetic paper, multi-layer adhesive compound paper, nonwoven, leather, textile fabric, etc. Roll-fed width: max. 110mm (4.33"); Roll diameter: max. 300mm (11.8") Core diameter: 76.2mm (3.0"); Roll weight: max. 30kg
Weight	80kg (176lbs)
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 220V ± 10%; Power 1320W/ 6A
Software and user interface	Professional Printer Control Software (PCS Pro); MagicPage VDP Software; ColorPRINT RIP Software
Connectivity	Fast Ethernet

	LZ54	LZ75
Print head model*	MH5420	KM print head
Print head number	2	
Print width	54mm (2.13")	75mm (2.95")
Color	Monochrome/ Dual-color	
Print resolution	600 × 600dpi, 600 × 300dpi	
Droplet size	min. 7pl, Variable Droplet Size	min. 3.5pl, Variable Droplet Size
Print productivity	30m/ min.	

* For other print head models or more customized configurations, please feel free to contact us.



APPLICATIONS



Price/ Logistics Labels



Product Labels



Tickets



Hangtags



Garment Accessories



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