



## UVx90R

## DIRECT TO SUBSTRATE UV-LED FLATBED PRINTER

LogoJET's UVx90R is the largest of our new R-Series printers featuring RICOH print head technology. After 10 years of research and production optimization, these advanced silicon-based print heads offer excellent price performance with over 30 billion actuations of useful life. Combined with industrial strength components, the result is a printer that's built for speed, and designed to stand up to the toughest production requirements.

- **LARGE** imprint area of 24" x 36", fits products up to 6" in height
- UV-LED curable inks, including full color **CMYK & WHITE INK**
- **PRIMER** or **GLOSS** options for improved ink adhesion and special effects
- **FLEXIBLE INK AVAILABLE!**
- Durable, weather-resistant inks can print on virtually any substrate
- Automatic sensor for height adjustment
- Vacuum bed - holds down flat, lightweight substrates
- Interchangeable product trays for standard or custom products
- Award-winning RIP software



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## INK CAPABILITIES

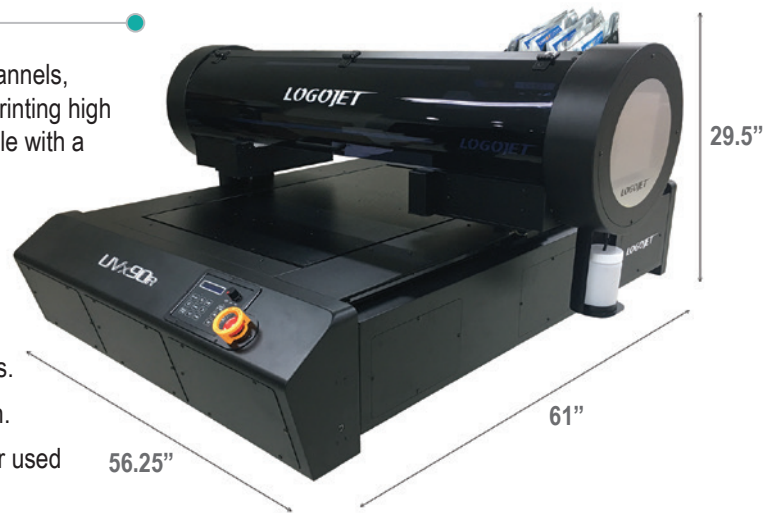
The UVx90R uses **6x RICOH GH 2220** print heads each holding two ink channels, for a total of twelve. The standard CMYK inks are assigned to 8 channels, printing high quality images at faster print speeds. The last four channels are customizable with a combination of White ink, Primer or Clear Gloss to suit your needs.

**Bulk Ink System** ~ Ink bags ride along with the print carriage contributing to a self-agitating system, simplifying maintenance and start-up procedures. 200 mL vacuum-sealed ink bags operate as a bulk ink solution. Simply insert ink needle into replacement bag with no interruption in ink flow.

**White Ink** ~ Options generated by RIP software for solid or gradient imprints.

**Primer** ~ Can be printed alone, or inline with other inks to improve adhesion.

**Clear Gloss** ~ Can be printed as a spot varnish to create embellishments or used as a full coverage clear coat to provide added durability and protection.



## PRODUCTION FEATURES

LogoJET's UVx90R has been tailored for industrial applications with maximum output efficiency. High-end kevlar belts and strong Servo motors stand up to high production demands, and the **open bed design** maximizes equipment utilization by reducing idle time with continuous access for product loading and unloading during print runs.

- Curable imprint area of 24"W x 36"L - oversized products up to 6" in height can be accommodated
- Automatic height sensor detects product and positions bed accordingly
- Interchangeable printing trays for larger production volumes
- Built-in vacuum bed holds flat, lightweight substrates in place
- Two UV-LED lamps cure ink instantly as it's applied to the substrate



## AWARD-WINNING RIP SOFTWARE

LogoJET Print Pro RIP software, powered by Kothari, is one of the most powerful and versatile RIP software products available. Version 7 of Print Pro is now available for all R-Series printers and includes advanced features such as:

### Workflow and Automation

- Hot Folders to Automate Workflow
- Templating and Template Management for Replicable Jobs
- Full customization of user environments
- Job Queuing and Prioritization
- Run multiple jobs and work on multiple art files simultaneously
- Variable Data and Data Merge Options also available

### Art and Sampling

- Edit and adjust artwork from directly within the RIP
- Save multiple versions and create templates

### Color Management

- Industry-leading color profiling
- Spot Color Replacement
- Control dot size to improve imprints on variable surfaces

### Special Printing Features

- Inline one-pass printing, regardless of the number of layers
- Job Costing – track ink cost and time metrics
- Automatically generate white and clear layers with a single art file

## PRINTER SPECIFICATIONS

Actual Flatbed Size	24.5" W x 37.5" L	
Max. Imprint Size	24" W x 36" L (oversized items up to 6" H can be loaded)	
Max. Substrate Weight	20 kg. / 44 lbs.	
Machine Size	56.25" W x 61" L x 29.5" H	
UV Lamp Specs	2 Lamps: 48V, 395nm	
Print Head:	6x Ricoh GH 2220 Print Heads	
Power Source	100-120V AC, 50/60Hz or 210-230V AC, 50/60Hz; 660W	
Control Panel	13 button interface and LED Display	
Vacuum Bed	Built in	
2-Year Limited Warranty	Print head and capping station included*	
Consumable Parts	capping station, ink, dampers, lamp filters	
Interface	USB 2.0 Interface (1x)	
Ink Process	Dual CMYK + 4 custom channels	
Ink Type	UV curable ink (rigid & flexible options)	
Ink Supply	Bulk Ink System - 200 mL ink bags	
Optimized Resolution	720x600, 720x900, 720x1200, 720x1800, 720x2400	
System Requirements (PC)	Intel Core i7, 16GB RAM, 502GB HDD, Windows 7+	
Printer Weight	410 lbs	
Shipping Wgt/Crate Size	740 lbs ~ 66.1" W x 75.6" L x 41.7" H	
Environmental Condition	60~85° F; Humidity 20~80% RH	
Ink consumption/kit	Up to 100,000 sq. in. per set of ink	
Cost per Sq. Inch Printed	\$0.01 (varies with ink settings)	
UVx90R Setting	Speed (1 layer, Bi*, m <sup>2</sup> /h)	Time to Print Full Bed (24"x36")
High Quality	2.79 m <sup>2</sup> /h	11:58 minutes
Standard	3.67 m <sup>2</sup> /h	9:07 minutes
Production	5.35 m <sup>2</sup> /h	6:15 minutes

\*Faster print speeds available at draft quality. Printing unidirectional is recommended for dimensional objects and will increase print times.