



UVx40R

DIRECT TO SUBSTRATE UV-LED FLATBED PRINTER

LogoJET's UVx40R was the first of our new R-Series printers incorporating RICOH print head technology to bring you our **FASTEST, MOST EFFICIENT** line of printers ever! The UVx40R's innovative design combines industrial-strength components with multiple high-performance, extended-wear print heads, all in a compact format. Produce durable, vibrant imprints on an endless variety of products and substrates!

- Imprint area of 18" x 18", fits products up to 5" in height
- UV-LED curable inks, including full color **CMYK & WHITE INK**
- **PRIMER & GLOSS** options for improved ink adhesion and special effects
- Semi-Flexible ink - up to 288° bend
- Rotary 360° printing capability for cylindrical and tapered objects
- Automatic sensor for height adjustment
- Built-in vacuum bed - holds down flat, lightweight substrates
- Interchangeable product trays available for standard or custom products
- Award-winning Kothari RIP software with options to optimize workflow automation as well as specialty printing



PRODUCTION FEATURES

LogoJET's UVx40R has been tailored for industrial applications with maximum output efficiency. Built with high-end industrial-strength components, such as kevlar belts and strong Servo motors, you can expect a tough, reliable printer that's designed to last.

This new configuration incorporates **3x RICOH GH 2220** print heads to maximize print speeds.

The UVx40R has an imprint area of 18" L x 18" W x 5" H. The automatic height sensor detects products and positions them at an optimum distance (up to 4mm) from the print head. Our custom printing trays make it easy to print on all types of product and increase efficiency for larger production volumes. Products can also be printed on our adhesive multi-use mat, or directly on the built-in vacuum bed (holds flat, lightweight substrates). The UV-LED lamp cures the ink instantly as it's applied to the substrate for vibrant, lasting imprints on **metal, glass, wood, stone, plastic, textiles** and MUCH more!



INK CAPABILITIES



Saving on ink consumption, the three RICOH print heads each hold two ink channels, for a total of six. The standard CMYK inks are assigned to four channels, leaving the last two customizable with any combination of White ink, Primer or Clear Gloss.

Bulk Ink System ~ The ink bags move along with the carriage during printing to create a self-agitating system. This improves ink flow and consistency, and effectively reduces setup time by simplifying the start-up procedure. Each 200 mL vacuum-sealed ink bag is designed to operate as a bulk ink solution, while keeping a closed ink system. Without interrupting the flow, simply remove the ink needle from an empty bag and insert it into a new one.

White Ink ~ White ink can be used for solid imprints, as a gradient under photographs, or as a base for color imprints on dark and clear materials.

Primer ~ Our primer is like a 'glue' that can be printed alone, or inline with other inks to provide a rock-solid base that improves imprint adhesion on difficult substrates. It also helps to build textures and create special effects.

Clear Gloss ~ The clear gloss can be printed as a spot varnish over specific areas of a design to create embellishments. It can also be used as a full coverage glossy clear coat to provide added durability and protection. It gives a high-end look when printed alone on solid-colored backgrounds.

KITL AWARD-WINNING RIP SOFTWARE

Kothari RIP software facilitates the printing of all CMYK color ink channels in addition to the customizable specialty ink channels. Some features include:

- Inline printing - print color and white/primer/gloss simultaneously
- Ink cost and print time calculator option built in
- 'Hot-Folders' automate work flow
- Pre-loaded profiles for various substrates & option to create your own
- Control over channel settings (turn selected channels on/off)
- Adjust ink density, saturation, and color levels
- White ink options – full background coverage vs. gradations
- Control dot size to improve imprints on curved or uneven surfaces
- Repeat function allows you to copy artwork for multiple product prints
- Allows you to create templates for product positioning
- Variable Data/Serialization option available



LARGEST IMPRINT ON A CURVE THAT YOU WILL FIND IN THE INDUSTRY!

UVX40R PRINTER SPECIFICATIONS

Actual Flatbed Size	26.5" L x 18.5" W (includes extension for rotary printing and open-ended for product overhang)
Max. Curable Imprint Area	18" L x 18" W
Max. Substrate Hgt./Wgt.	5" H / 22 lbs
Machine Size	47.24" L x 27.56" W x 28.46" H
UV Lamp Specs	395nm, 48V, E47, 28 LED bulbs
Print Head	3x Ricoh GH 2220
Options	Rotary 360° printing attachment
Vacuum Bed	Built-in (holds down lightweight flat substrates)
Power Source	100-120V AC, 50/60Hz or 210-230V AC, 50/60Hz; 660W
Control Panel	13 button interface
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	CMYK + 2 custom channels (White, Clear or Primer)
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)	Windows 7,8,10. Intel i5 or equivalent. 8GB RAM
Printer Wgt/Shipping Wgt	245 lbs / 445 lbs
Crate Size	55" L x 33" W x 37" H - use as a stand
Environmental Condition	60-85° F; Humidity 20-80% RH
Ink consumption/kit	Up to 50,000 sq. in. per set of ink
Cost per Sq. Inch Printed	\$0.01 per layer of white, color or clear
RIP Software	Kothari Print Pro - included
Installation	Onsite Installation & Training included

Print Modes & Speed Comparison: UVx40R vs. UV2400 printer

Based on 100% full coverage on area of 11.8" x 17.7" with 1 print layer

Production Speed	UVx40R - 3:30 min	UV2400 - 4:30 min
Quality Speed	UVx40R - 6:36 min	UV2400 - 8:50 min

*refer to limited warranty details