

VK300D-HS

FLATBED UV-LED PRINTER



The VK300D-HS 5' x 10' UV-LED flatbed revolutionizes the printing industry with both print speed and print quality. Featuring a high-speed electromagnetic drive system that propels the carriage at speeds up to 1.8m per second for an incredible 60 boards per hour and provides precise drop placement for remarkable print quality. The VK300D-HS comes equipped with industrial Kyocera printheads that deliver print dots as small as 4 picoliters for vivid output on virtually any substrate up to 4" thick.

REMARKABLE PRODUCTIVITY & IMAGE QUALITY:

- CMYK + White + Varnish with single-pass, multi-layer printing for expanded application potential
- 4-Level Greyscale with variable drop technology and 4 picoliter drop sizes for better color gradients and smoothing capability
- Equipped with automatic height detection for faster job setup and one-touch pin registration for easy front-to-back and back-to-front printing
- Durst Workflow prepress & RIP software solution with Vanguard interactive G.U.I.

PRECISE AND ACCURATE DOT PLACEMENT FROM PRINT TO PRINT:

- Magnetic linear drive control for precise drop placement for sharper lines and text
- High-volume ink jetting at an accurate level to support productivity
- Solid aluminum table with flatness of +/- 50 microns
- Six-zone, user-selectable reversible vacuum system ensures efficient hold-down, no unintended media movement, and easy transitions between jobs

THE POWER OF LED TECHNOLOGY:

- Extends your range of supported substrates, including lower-cost and added-value specialty media
- Increases uptime and productivity with instant on/off and less maintenance
- Drive down operating costs with less energy consumption and fewer consumable parts
- Reduces waste with consistent color output and simple operation
- Satisfies customer requests for a greener print solution with no VOCs, lower power consumption, and less waste and consumables

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SPECIFICATIONS		DIMENSIONS	
Print Head	Kyocera	W x D x H	18' 7" x 8' 9" x 5'1" (569 cm x 271 cm x 155 cm)
Print Resolution	Up to 1800 dpi	Weight	3,427 lbs. (1,554 kg)
Max Print Heads	10 (5 x 2 rows)	Recommended Operating Dimensions	22' 7" x 12' 9" x 6' 9" (691 cm x 393 cm x 155 cm)
Base Ink	CMYK	Shipping Dimensions	19' 3" x 10' 4" x 6' 2" (588 cm x 316 cm x 188 cm)
Optional Ink	White + Varnish	Minimum Door Clearance	72" (183 cm)
Curing	Liquid-Cooled LED		

REQUIREMENTS		MEDIA	
Power	2 x 220 v 30 A Single-phase 1 x 120 v 20 A Single-phase	Max Print Size	61.3" x 125.5" (155 cm x 318 cm)
Compressed Air	80-100 PSI	Max Thickness	Up to 4" (10 cm)
Environment	Dust free / climate controlled	Max Weight	500 lbs. (227 kg)
Temperature	66.2 - 87.8 °F (19-31 °C)	Material Type	Rigid & flexible
Humidity	40-70% non-condensing	RIP Solution	Durst Workflow Onyx Caldera

PRINT SPEEDS	SINGLE	DUAL
Express	Up to 2,637 sq ft/h	Up to 3,412 sq ft/h
Production	Up to 1,130 sq ft/h	Up to 2,422 sq ft/h
Quality	Up to 570 sq ft/h	Up to 1,055 sq ft/h
High Quality	Up to 215 sq ft/h	Up to 388 sq ft/h

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