



VK300D-HS



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 KJ4A 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
- 3 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	15' 4" x 6' 7" x 4' 9"
Print Resolution	Up to 1800 dpi	Weight	3,501 lbs. (2,800kg)
Max Print Heads	10 (5x2 rows)	Recommended Operating Dimensions	11'3" x 20'10"
Base Ink	CMYK	Shipping Dimensions	17'11" x 7'5" x 6'2"
Optional Ink	White + Varnish	Minimum Door Clearance	72"
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"
Compressed Air	80-100 PSI	Max Thickness	Up to 4" (10cm)
Environment	Dust free / climate controlled	Max Weight	500 lbs
Temperature	66.2 - 87.8 °F (19-31 °C)	Material Type	Rigid & flexible
Humidity	40-70% non-condensing	RIP Solution	ONYX CALDERA
PRINT SPEEDS		SINGLE	DUAL
Express	Up to 2,047 sq ft/h	Up to 3,412 sq ft/h	
Production	Up to 1,500 sq ft/h	Up to 2,421 sq ft/h	
Quality	Up to 600 sq ft/h	Up to 1,054 sq ft/h	
High Quality	Up to 400 sq ft/h	Up to 516 sq ft/h	

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