

VK300D-SS

FLATBED UV-LED PRINTER



The VK300D-SS features an upgraded high-suction, robust vacuum table. Built with a custom milled aluminum vacuum table designed specifically to pull down warped substrates, the VK300D-SS reduces the risk of head strikes and offers you peace of mind when printing severely warped materials. With the capability to digitally print and decorate difficult materials like wood, the VK300D-SS is the ultimate tool for your workshop, and the only limitation is creativity.

A SOLUTION FOR PRINTING CORRUGATED BOARDS:

- Vacuum table is made up of 127,000 1/8th inch holes, ensuring efficient hold-down, no unintended media movement, and easy transitions between jobs
- Equipped with two 7.5 horsepower Spencer blower motors for maximum substrate stability while printing
- Two-zone, user-controlled vacuum system allows for board setup while printing
- CMYK + White + Varnish for application potential and speed

PRECISE AND ACCURATE DOT PLACEMENT FROM PRINT TO PRINT:

- 3-level Greyscale with variable drop technology and 4 picoliter drop sizes for better color gradients and smoothing capability
- 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

THE POWER OF LED TECHNOLOGY:

- Less energy on board surface vs UV mercury for wider range of substrates options
- 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'
Print Resolution	Up to 1800 dpi	Weight	3,427 lbs. (1,554 kg)
Max Print Heads	10 (5x2 rows)	Recommended Operating Dimensions	22'7" x 12'9" x 5'
Base Ink	CMYK	Shipping Dimensions	19'3" x 10'4" x 6'2"
Optional Ink	White + Varnish	Minimum Door Clearance	72"
Curing	Liquid-Cooled LED		
REQUIREMENTS		MEDIA	
Power	2 x 220V 30 A Single-phase 1 x 120V 20 A Single-phase	Max Print Size	61.3" x 125.5"
Blower Soft Start	2 x 220V or 480V Three-phase 20A or 30A (Amps determined on voltages specifications) 2 x 120V 20 A Single-phase	Max Thickness	Up to 4"
Compressed Air	90-100 PSI	Max Weight	500 lbs.
Environment	Dust free / climate controlled	Material Type	Rigid & flexible
Temperature	66.2 - 87.8 °F (19-31 °C)	RIP Solution	Durst Workflow Onyx Caldera
Humidity	40-70% non-condensing		
PRINT SPEEDS		SINGLE	
Express	Up to 2,047 sq ft/h	DUAL	
Production	Up to 1,500 sq ft/h	Up to 3,412 sq ft/h	
Quality	Up to 600 sq ft/h	Up to 2,421 sq ft/h	
High Quality	Up to 400 sq ft/h	Up to 1,054 sq ft/h	
		Up to 516 sq ft/h	

Experience Center: 117 Seaboard Lane • Suite D100 • Franklin, TN 37067
Corporate Office: 2410 Tech Center Pkwy • Suite 125 • Lawrenceville, GA 30043
 (470) 326-3790
 vanguarddigital.com

