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# VK300D-HS

## FLATBED LED UV PRINTER



GREENGUARD  
CERTIFIED INK

VOC  
FREE

The VK300D-HS printer is apart of our 6-time award winning VK300D Series. It is a fully featured printer that has revolutionized the industry with a high-speed electromagnetic drive system that propels the carriage at speeds up to 1.8 m per second for an incredible up to 60 boards per hour. These impressive advancements ensure your business will outperform any competitor.

This printer comes equipped with industrial Kyocera KJ4A print heads that deliver print dots as small as 4 picoliter drop size ensuring tight dot placement for vivid output on virtually any substrate up to 4" thick.

Other features include auto height detection, one-touch pin registration, front-to-back and back-to-front printing, liquid cooled LED curing technology, static suppression bars, and reversible vacuum zones. Engineered to grow with your business, the VK300D-HS is available with up to 10 print heads, and can be expanded in the field.

### VK300D-HS

Print Head	Kyocera KJ4A
Qty. of Heads	Up to 10
Max Print Thickness	4"
Ink Configuration	CMYK + W + V
Max Print	62" x 125"
Dimension	18'7" x 8'3" x 49"
Electrical Requirement	2x 220v   30A   1 Phase
Air Requirement	80-100 PSI

### SINGLE ROW PRINT SPEEDS

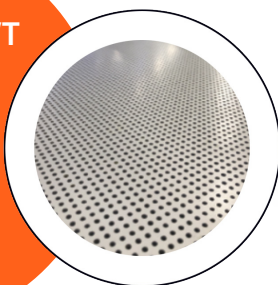
Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

### DUAL ROW PRINT SPEEDS

Express	Up to 3,412 sq ft/h
Production	Up to 2,421 sq ft/h
Quality	Up to 1,054 sq ft/h
High Quality	Up to 731 sq ft/h

## VK300D-HVT

**VK300D-HVT  
& VK300D-SS**  
124,000 1/8" holes  
on the vacuum  
table for superior  
vacuum power.



### WITH UPGRADED HIGH SUCTION VACUUM TABLE

Built on the same award winning VK300D-HS platform with all the robust functionality, the VK300D-HVT is the big brother of table upgrades. Built with a custom milled aluminum tabletop made specifically for corrugated package printing, this flatbed will have your team producing at an incredible pace without the fear of curled substrates and head strikes. The vacuum table is made up of 124,000 1/8th inch holes and two 7.5 horsepower Spencer blower motors for maximum substrate stability while printing.

### VK300D-HVT VK300D-SS

Print Head	Kyocera KJ4A
Qty. of Heads	Up to 10
Max Print Thickness	4"
Ink Configuration	CMYK + W + V
Max Print	62" x 125"
Dimension	18'7" x 8'3" x 49"
Electrical Requirement	2x 480   20A   3Phase
Air Requirement	80-100 PSI

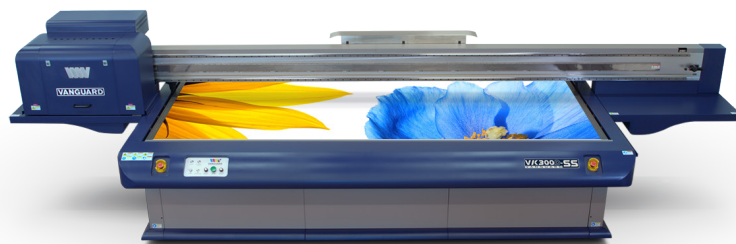
### SINGLE ROW PRINT SPEEDS

Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

### DUAL ROW PRINT SPEEDS

Express	Up to 3,412 sq ft/h
Production	Up to 2,421 sq ft/h
Quality	Up to 1,054 sq ft/h
High Quality	Up to 731 sq ft/h

## VK300D-SS



### WITH UPGRADED HIGH SUCTION VACUUM TABLE

The VK300D-SS features an upgraded robust vacuum table. Built with a custom milled aluminum vacuum table designed specifically to pull down the most warped substrates. The VK300D-SS reduces the risk of head strikes and offers you peace of mind when printing severely warped materials. The vacuum table is made up of 124,000 1/8th inch holes and two 5 horsepower Spencer blower motors for maximum substrate stability while printing.

# VR6D-HS

## THE MOST REVOLUTIONARY FLATBED LED UV PRINTER

The VR6D-HS is the most advanced 4'x8' flatbed on the market today. It combines the latest state-of-the-art Ricoh Gen 6 print head technology and high-speed magnetic drive unparalleled speed, resolution and quality.



### CUTTING-EDGE FEATURES INCLUDE

- Environmentally responsible LED curing technology
- Static suppressing ionization bars
- 4 vacuum zones
- 5 picoliter drop size
- Support for CMYK + W + V inks
- 50" x 99" print area
- 3 carriage speeds up to 1.8 m/s

The VR6D-HS can be configured in a number of ways to fit your needs as your business grows. The option to be field upgradeable with up to 10 heads (5 x 2) rows allows you to expand your capabilities and never slows you down.

The VR6D-HS sets a new standard for all UV flatbeds.

#### VR6D-HS

Print Head	Ricoh Gen 6
Qty. of Heads	Up to 10
Max Print Thickness	4"
Ink Configuration	CMYK + W + V
Max Print	50" x 99"
Dimension	15'4" x 6'7" x 4'9"
Electrical Requirement	2x 220v   30A   1 Phase
Air Requirement	80-100 PSI

#### SINGLE ROW PRINT SPEEDS

Production	Up to 800 sq ft/h
Quality	Up to 352 sq ft/h
High Quality	Up to 274 sq ft/h

#### DUAL ROW PRINT SPEEDS

Production	Up to 1,280 sq ft/h
Quality	Up to 576 sq ft/h
High Quality	Up to 384 sq ft/h



# VR5D-E

## ENTRY LEVEL FLATBED LED UV PRINTER

Our VR5D-E is the most feature rich, entry level 4' x 8' true LED UV fixed table on the market. Utilizing industry-proven, Ricoh Gen5 print heads, you can expect both quality and speed, up to 12 boards an hour, at an affordable starting price.



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The VR5D-E is field upgradeable, with up to 10 print heads in 2 rows (2x5), for increased production. While pricing is entry level, the VR5D-E is an Industrial printer engineered for worry-free maintenance and ease of operation. High production workflow operating cost is at your fingertips!

The VR5D-E supports CMYK + W + V printing while utilizing 7 pL dots for vivid color output on substrates up to 4" thick. Other features include auto height detection, one-touch pin registration, front-to-back and back-to-front printing and 4 reversible vacuum zones. The end result is a versatile printer that helps you expand your job applications and grows with your business.

### VR5D-E

Print Head	Ricoh Gen 5
Qty. of Heads	Up to 10
Max Print Thickness	4"
Ink Configuration	CMYK + W + V
Max Print	50" x 99"
Dimension	15'4" x 6'7" x 4'9"
Electrical Requirement	2x 220v   30A   1 Phase
Air Requirement	80-100 PSI

### SINGLE ROW PRINT SPEEDS

Express	Up to 428 sq ft/h
Production	Up to 322 sq ft/h
Quality	Up to 274 sq ft/h
High Quality	Up to 180 sq ft/h

### DUAL ROW PRINT SPEEDS

Express	Up to 648 sq ft/h
Production	Up to 535 sq ft/h
Quality	Up to 476 sq ft/h
High Quality	Up to 320 sq ft/h

# VKR3200-HS

## ROLL TO ROLL UV LED

The robust VKR3200-HS 3.2 meter (126") true roll-to-roll UV LED is capable of producing up to 3000 sq ft/hr utilizing Kyocera's 4.25" KJ4A printhead and high-speed electromagnetic drive system.



The KJ4A is a dual channel printhead design that supports two colors at a time. The small 4 picoliter drop size ensures tight dot placement for a vividly printed output on flexible substrates up to 1" thick. These advanced features make it the fastest and most accurate printer in its class.

The VKR3200-HS is field expandable up to two rows of heads for a total of 8 and supports CMYK, plus W. The VKR3200-HS also comes standard with liquid cooled LED curing lamps, dual-roll printing capability and an ink-catch for mesh banner, window film, edge-to-edge printing, textile materials and other porous materials.

### VKR3200-HS

Print Head	Kyocera KJ4A
Qty. of Heads	Up to 8
Ink Configuration	CMYK + W + V
Max Print Width	3.2m / 126"
Max Roll Diameter	15.75"
Max Roll Weight	440 lbs
Dimension	18' 10" x 3' 9.3" x 5' 11"
Electrical Requirement	110v   20A   1 Phase 220v   32A   1 Phase
Air Requirement	80-100 PSI

### SINGLE ROW PRINT SPEEDS

Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

### DUAL ROW PRINT SPEEDS

Production	Up to 2,900 sq ft/h
Quality	Up to 1,150 sq ft/h
High Quality	Up to 800 sq ft/h

# VKH900-HS

## HYBRID UV LED PRINTER

The versatile VKH900-HS Hybrid UV LED combines our award winning VK300D-HS flatbed printer with the capabilities of our VKR3200-HS roll to roll printer. Maximizing the key features of each platform we achieved astonishing speed and clarity, utilizing Kyocera's KJ4A print head, on either flat materials or roll stock.



The VKH900-HS is a field expandable platform allowing up to 15 Kyocera KJ4A print head, in a 3 row configuration (3 each CMYKW). With a versatile print zone of 2.5m (98"), the VKH900-HS is designed to accommodate industry standard rolls up to 98" wide and flat media up to 2.5" thick and 10 lbs/sq ft. As with all Vanguard printers, this hybrid continues to utilize fully adjustable liquid-cooled UV LED lamps which will allow for printing on heat sensitive materials faster than competitive technologies.

### VKH900-HS

Print Head	Kyocera KJ4A
Qty. of Heads	Up to 15
Ink Configuration	CMYK + W + V
Max Flat Media Width	98"
Thickness	2.5"
Max Roll Diameter	15.75"
Max Roll Weight	330 lbs
Dimension	17' x 5' x 5' 6.9"
Dimension (with 2 tables)	17' x 10' 3.9" x 5' 6.9"
Electrical Requirement	220v   32A   1 Phase 220v   6A   1 Phase
Air Requirement	90 PSI   4.5 SCFM

Two extra tables  
to support wide  
and flat media  
up to 2.5" thick!

Folds for easy  
storage.

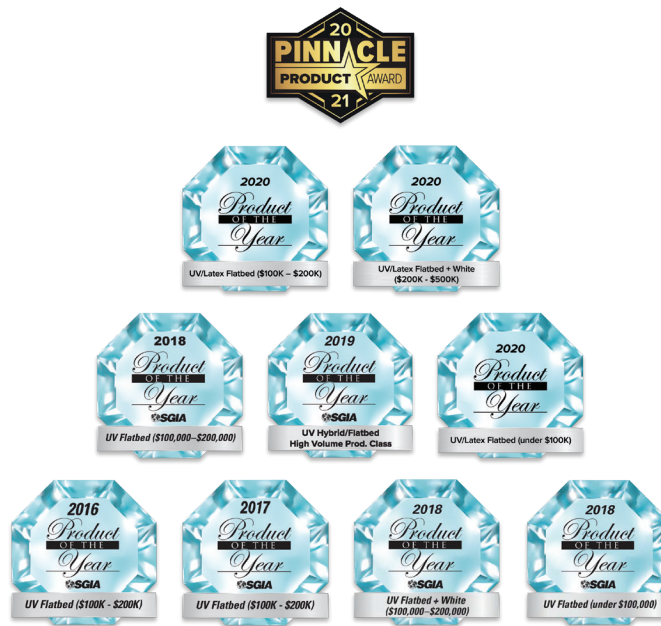


### THREE ROW PRINT SPEEDS

Express	Up to 2,975 sq ft/h
Production	Up to 2,016 sq ft/h
Quality	Up to 1,250 sq ft/h
High Quality	Up to 833 sq ft/h

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***Product of the Year - 6 Years in a Row!***



Vanguard Digital Printing Systems - A Durst Group Company is building a proud history of adapting products to meet their family of clients' needs by defining the market through ever evolving innovation technology, quality, and speed. We don't force our clients to adapt to our equipment, but rather, we adapt our equipment to fit the needs of our clients' unique application.

**VAN•GUARD / van•guard / noun:**

A group of people leading the way in new developments and ideas.

