



VANGUARD

DIGITAL PRINTING SYSTEMS

A Durst Group Company



GROWING YOUR BUSINESS TOGETHER



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vanguarddigital.com

VK300D-HS



HIGH PRODUCTION FLATBED LED UV PRINTER

Built on the 6-time award winning VK300D series, the 5' x 10' VK300D-HS LED UV fixed table flatbed is the best 5' x 10' digital flatbed printer, period! This fully featured printer 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 ensures your business will outperform any competitor.

The VK300D-HS 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

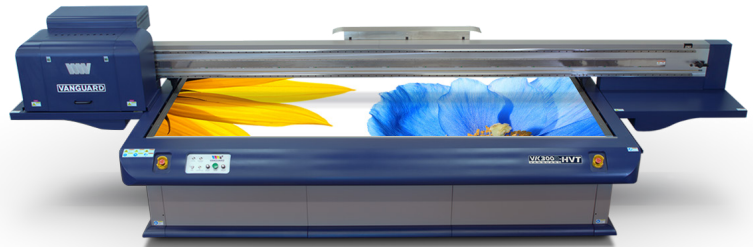
SINGLE ROW PRINT SPEEDS

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

DUAL ROW PRINT SPEEDS

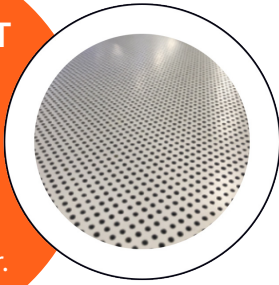
Production	Up to 2,900 sqft/h
Quality	Up to 1,150 sqft/h
High Quality	Up to 800 sqft/h

VK300D-HVT



VK300D-HVT

120,000 1/8" holes
on the VK300D-HVT
& VK300D-SS
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 120,000 1/8th inch holes and two 7.5 horsepower Spencer blower motors for maximum substrate stability while printing.

VD300D-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

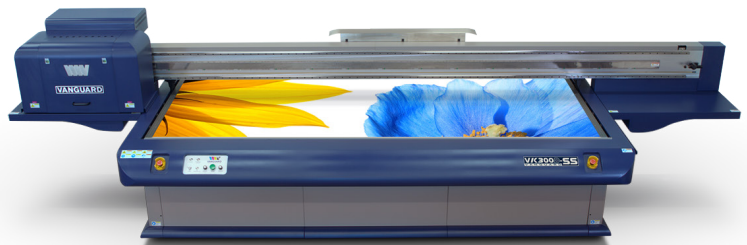
SINGLE ROW PRINT SPEEDS

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

DUAL ROW PRINT SPEEDS

Production	Up to 2,900 sqft/h
Quality	Up to 1,150 sqft/h
High Quality	Up to 800 sqft/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 120,000 1/8th inch holes and two 5 horsepower Spencer blower motors for maximum substrate stability while printing.

VR6D-HS

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 Area	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 sqft/h
Quality	Up to 352 sqft/h
High Quality	Up to 274 sqft/h

DUAL ROW PRINT SPEEDS

Production	Up to 1,280 sqft/h
Quality	Up to 576 sqft/h
High Quality	Up to 384 sqft/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.



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 Area	50" x 99"
Dimensions	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 sqft/h
Production	Up to 322 sqft/h
Quality	Up to 274 sqft/h
High Quality	Up to 180 sqft/h

DUAL ROW PRINT SPEEDS

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

VKR3200-HS

ROLL TO ROLL UV LED

The robust VKR3200-HS 3.2 meter (126”) true roll-to-roll UV LED capable of producing Up to 3000 sqft/hr utilizing Kyocera’s 4.25” KJ4A print head and high-speed electromagnetic drive system.



The KJ4A is a dual channel print head 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. This robust 3.2m/126” roll-to-roll flatbed is powered by the Kyocera KJ4A 4.25” printhead which has an astonishing 2,656 nozzles and is capable of jetting 4 picoliter dot sizes so you can achieve near continuous tone quality. 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 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 sqft/h
Quality	Up to 600 sqft/h
High Quality	Up to 400 sqft/h

DUAL ROW PRINT SPEEDS

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

APPLICATIONS:

- PVC
- Vinyl
- Acrylic
- Canvas
- Foam Core
- Coroplast
- Styrene
- Wood
- Metal
- Plastic
- Glass
- Leather
- Stone
- Brick
- Porcelain
- Rubber
- Fabric
- Cardboard
- Poster Paper
- And more...

Vanguard Cutting Edge Technology

ALIGNGUARD

Air assisted pin registration provides precise media alignment with every print.

PRESSUREGUARD

Provides stability within the negative pressure system which increases the life cycle of critical components.

CUREGUARD

Precisely adjustable LED curing technology allows you to print to more substrates with greater control.

ACCGUARD

A metal raster strip provides the most accurate dot placement in the industry.

PRINTGUARD

Reduce time and waste with pinpoint accurate print resuming after a crash sensor has been reset.

NOISEGUARD

Twin mufflers reduce the noise level of the powerful media vacuum pumps.

BANDGUARD

Virtually eliminate chromatic banding allowing you to print at faster speeds and better quality.

TIMEGUARD

Increase productivity and reduce labor by accurately printing from front-to-back and back-to-front.

MEDIAGUARD

Measure media thickness with our auto-height detection system in just a matter of seconds.

STATICGUARD

Be proactive by reducing static charges on acrylics and other positively charged substrates.

**THE BEST BUSINESS
PARTNER TO INCREASE
THE GROWTH OF
YOUR BUSINESS**

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.

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 **VANGUARD**
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