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DIGITAL PRINTING SYSTEMS
A Durst Group Company

GROWING YOUR BUSINESS TOGETHER

VK3220T-HS

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VK3220T-HS

**ULTRA-PRODUCTIVE FLATBED
UV-LED PRINTER**

The VK3220T-HS redefines the meaning of productivity on a 3.2 x 2 meter (126" x 80") UV-LED flatbed. With up to three rows of printheads, print speeds can reach over 3,800 square feet per hour. Utilizing 4 picoliter drop size Kyocera heads and a high-speed magnetic drive, there's no compromise on speed to achieve remarkable quality. With the ability to print up to 10cm thick, the only limitation is your imagination.

VK3220T-HS	
Print Head	Kyocera
Qty. of Heads	Up to 15
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	126" x 80.7"
Dimension	18.5' x 10.8' x 5'
Electrical Requirements	1 x 220V | Single-phase | 30A 1 x 220V | Single-phase | 40A 1 x 110V | Single-phase | 20A
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS	
Draft	Up to 2,047 sq ft/h
Express	Up to 1,130 sq ft/h
Production	Up to 570 sq ft/h
High Quality	Up to 215 sq ft/h
DUAL ROW PRINT SPEEDS	
Draft	Up to 3,412 sq ft/h
Express	Up to 2,422 sq ft/h
Production	Up to 1,055 sq ft/h
High Quality	Up to 388 sq ft/h
TRIPLE ROW PRINT SPEEDS	
Draft	Up to 3,875 sq ft/h
Express	Up to 2,949 sq ft/h
Production	Up to 1,744 sq ft/h
High Quality	Up to 559 sq ft/h

VK300D-HS

FLATBED UV-LED PRINTER

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CERTIFIED INK

The VK300D-HS printer is a part 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 speed 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	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	61.3" x 125.5"
Dimension	18' 7" x 8' 3" x 49"
Electrical Requirement	2 x 220 v | 30 A | 1 phase 110 v | 20 A | 1 phase
Air Requirement	80-100 PSI
SINGLE ROW PRINT SPEEDS	
Express	Up to 2,047 sq ft/h
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 516 sq ft/h

VK300D-HVT

FLATBED UV-LED PRINTER

127,000 1/8" holes on the vacuum table for superior vacuum power.

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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 127,000 1/8th inch holes and two 7.5 horsepower Spencer blower motors for maximum substrate stability while printing.
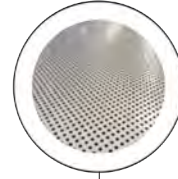
VK300D-HVT	
Print Head	Kyocera KJ4A
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	61.3" x 125.5"
Dimension	18' 7" x 8' 3" x 49"
Electrical Requirement	2 x 220 v | 30 A | 1 phase 110 v | 20 A | 1 phase
Blower | Soft Start Requirement	2 x 480 v | 20 A | 3 phase or 2 x 220 v | 30 A | 3 phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS	
Express	Up to 2,047 sq ft/h
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 516 sq ft/h

VK300D-SS

FLATBED UV-LED PRINTER

127,000 1/8" holes on the vacuum table for superior vacuum power.

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 127,000 1/8th inch holes and two 5 horsepower Spencer blower motors for maximum substrate stability while printing.

VK300D-SS	
Print Head	Kyocera KJ4A
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	61.3" x 125.5"
Dimension	18' 7" x 8' 3" x 49"
Electrical Requirement	2 x 220 v | 30 A | 1 phase 110 v | 20 A | 1 phase
Blower | Soft Start Requirement	2 x 480 v | 20 A | 3 phase or 2 x 220 v | 30 A | 3 phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS	
Express	Up to 2,047 sq ft/h
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 516 sq ft/h

VR6D-HS

THE MOST REVOLUTIONARY FLATBED UV-LED 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.

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UL 2818
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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	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	50" x 99"
Dimension	15' 4" x 6' 7" x 4' 9"
Electrical Requirement	2 x 220 v | 30 A | 1 phase 110 v | 20 A | 1 phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS	
Express	Up to 1,001 sq ft/h
Production	Up to 358 sq ft/h
Quality	Up to 268 sq ft/h
High Quality	Up to 214 sq ft/h
DUAL ROW PRINT SPEEDS	
Express	Up to 1,557 sq ft/h
Production	Up to 702 sq ft/h
Quality	Up to 531 sq ft/h
High Quality	Up to 422 sq ft/h

VR5D-E

ENTRY LEVEL FLATBED UV-LED PRINTER

Our VR5D-E is the most feature rich, entry level 4' x 8' true UV-LED 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	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	50" x 99"
Dimension	15' 4" x 6' 7" x 4' 9"
Electrical Requirement	2 x 220 v	30 A	1 phase 110 v	20 A	1 phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS	
Express	Up to 570 sq ft/h
Production	Up to 377 sq ft/h
Quality	Up to 188 sq ft/h
High Quality	Up to 140 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 PRINTER

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

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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, W and V. 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	110 v | 20 A | 1 phase 220 v | 32 A | 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 printhead, on either flat materials or roll stock.

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The VKH900-HS is a field expandable platform allowing up to 15 Kyocera KJ4A printhead, in a 3 row configuration (3 each CMYKW). With a versatile print zone of 2.5 m (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.

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

Folds for easy storage.

VKH900-HS	
Print Head	Kyocera KJ4A
Qty. of Heads	Up to 15
Ink Configuration	CMYK + W + V
Max Flat Media Width Thickness	98" Up to 2.5"
Max Roll Diameter	15.75"
Max Roll Weight	330 lbs
Dimension Dimension (with 2 tables)	17' x 5' x 5' 6.9" 17' x 10' 3.9" x 5' 6.9"
Electrical Requirement	2 x 220 v | 40 A | 1 phase 120 v | 20 A | 1 phase
Air Requirement	90 PSI | 4.5 SCFM

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

THE BEST BUSINESS PARTNER TO INCREASE THE GROWTH OF YOUR BUSINESS

Product of the Year - 8 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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