VANGUARD™
DIGITAL PRINTING SYSTEMS
A Durst Group Company

GROWING YOUR BUSINESS TOGETHER

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please visit

www.vanguarddigital.eu

VK300D-HS

FLATBED LED UV PRINTER

GREENGUARD
CERTIFIED INK

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LOW
VOC

The VK300D-HS 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.

The VK300D-HS comes equipped with industrial Kyocera KJ4A print heads that deliver print dots as small as 3 picoliter drop size ensuring tight dot placement for vivid output on virtually any substrate up to 10 cm 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	10 cm
Ink Configuration	CMYK + W + V
Max Print	157 cm x 318 cm
Dimension	566 cm x 251 cm x 124 cm
Electrical Requirement	2 x 220 V | 32 A | 1 phase 1 x 220 V | 16 A | 1 phase
Air Requirement	6-7 bar

SINGLE ROW PRINT SPEEDS

Production	Up to 139 m/h
Quality	Up to 56 m/h
High Quality	Up to 37 m/h

DUAL ROW PRINT SPEEDS

Express	Up to 317 m/h
Production	Up to 255 m/h
Quality	Up to 98 m/h
High Quality	Up to 68 m/h

VK300D-HVT

VK300D-HVT & VK300D-SS
124.000 3mm holes on the vacuum table for superior vacuum power.
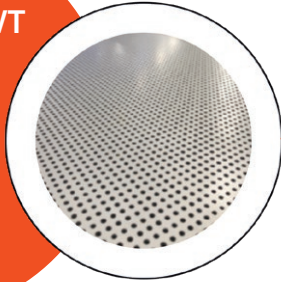
WITH UPGRADED HIGH SUCTION VACUUM TABLE

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 3 mm 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	10 cm
Ink Configuration	CMYK + W + V
Max Print	157 cm x 318 cm
Dimension	566 cm x 251 cm x 124 cm
Electrical Requirement	2 x 480 V | 20A | 3 phase
Vacuum Electrical	Consult with your representative for additional electrical requirements.
Air Requirement	6-7 bar

SINGLE ROW PRINT SPEEDS

Production	Up to 139 m/h
Quality	Up to 56 m/h
High Quality	Up to 37 m/h

DUAL ROW PRINT SPEEDS

Express	Up to 317 m/h
Production	Up to 255 m/h
Quality	Up to 98 m/h
High Quality	Up to 68 m/h

VK300D-SS
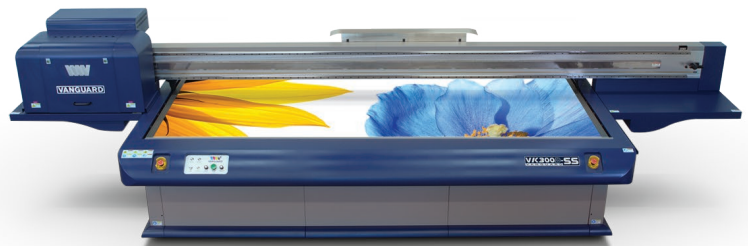
WITH UPGRADED HIGH SUCTION VACUUM TABLE

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 3 mm 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 127 cm x 254 cm 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
- 127 cm x 254 cm 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	10 cm
Ink Configuration	CMYK + W + V
Max Print	127 cm x 254 cm
Dimension	467 cm x 200 cm x 145 cm
Electrical Requirement	2 x 220 V	32 A	1 phase 1 x 220 V	16 A	1 phase
Air Requirement	6-7 bar

SINGLE ROW PRINT SPEEDS

Production	Up to 74 m/h
Quality	Up to 33 m/h
High Quality	Up to 24 m/h

DUAL ROW PRINT SPEEDS

Production	Up to 119 m/h
Quality	Up to 55 m/h
High Quality	Up to 36 m/h

VR5D-E

ENTRY LEVEL FLATBED LED UV PRINTER

Our VR5D-E is the most feature rich, entry level 127 cm x 154 cm true LED UV fixed table on the market. Utilizing industry-proven, Ricoh Gen5 print heads, you can expect both quality and speed, at an affordable starting price.

GREENGAURD CERTIFIED INK

LOW
VOC

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 10 cm 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	10 cm
Ink Configuration	CMYK + W + V
Max Print	127 cm x 254 cm
Dimension	467 cm x 200 cm x 145 cm
Electrical Requirement	2 x 220 V | 32 A | 1 phase 1 x 220 V | 16 A | 1 phase
Air Requirement	6-7 bar

SINGLE ROW PRINT SPEEDS

Express	Up to 40 m/h
Production	Up to 30 m/h
Quality	Up to 24 m/h
High Quality	Up to 17 m/h

DUAL ROW PRINT SPEEDS

Express	Up to 60 m/h
Production	Up to 50 m/h
Quality	Up to 44 m/h
High Quality	Up to 30 m/h

VKR3200-HS

ROLL TO ROLL UV LED

The robust VKR3200-HS 3.2 meter true roll-to-roll UV LED capable of producing Up to 269 m/hr utilizing Kyocera's 11 cm wide 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 3 picoliter drop size ensures tight dot placement for a vividly printed output on flexible substrates up to 2.5 cm 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 + 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	320 cm
Max Roll Diameter	40 cm
Max Roll Weight	200 kg
Dimension	574 cm x 115 cm x 180 cm
Electrical Requirement	1 x 220 V | 32 A | 1 phase 1 x 220 V | 16 A | 1 phase
Air Requirement	6-7 bar

SINGLE ROW PRINT SPEEDS

Production	Up to 139 m/h
Quality	Up to 56 m/h
High Quality	Up to 37 m/h

DUAL ROW PRINT SPEEDS

Production	Up to 269 m/h
Quality	Up to 107 m/h
High Quality	Up to 74 m/h

APPLICATIONS:

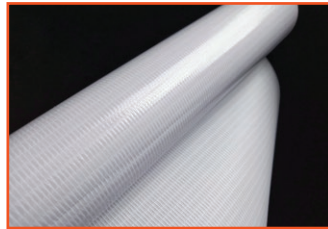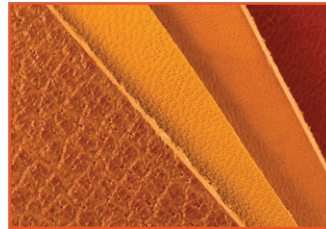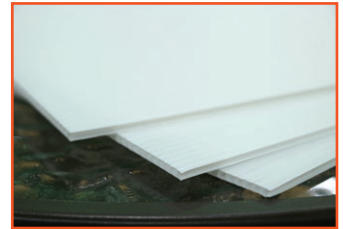|			
PVC	BRUSHED ALUMINUM	ACRYLIC	FOAM CORE BOARD
PORCELAIN	CANVAS	STONE	WOOD
BRICK	VINYL	LEATHER	COROPLAST
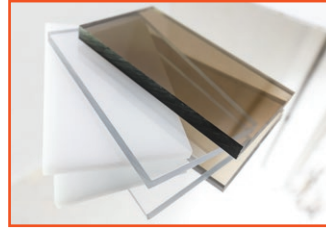
... AND MUCH MORE!

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.

ACCUGUARD
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 font-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 positivity charged substrates.