



# VANGUARD<sup>TM</sup>

DIGITAL PRINTING SYSTEMS

A Durst Group Company



# VIK300D-HS

Proud to introduce the most revolutionary flatbed printer ever!

# Simply The Best Flatbed In The World

Vanguard Digital thoughtfully crafted the VK300D-HS fixed-flatbed LED UV printer with you, the print service provider in mind. When our family of clients speak, we listen! You wanted a larger bed size? We delivered with a 5'x10' vacuum table capable of printing full bleed. You needed more versatility; we answered the call with the ability to print media up to 4 inches [10 cm] thick. You desired the capabilities to print more applications? We built in industry-leading white ink workflow giving you precise double-speed printing, multi-layer printing to create texture, color-white-color and so much more. Finally, you demanded a lower cost per print. We diligently focused and accomplish this, job after job.

## Setting the Standard

### High productivity and image quality at a competitive price:

- CMYK + White + Varnish with single-pass, multi-layer printing
- Greyscale with variable drop technology 3.5-11pL drop sizes for better color gradients and smoothing capability
- Precise dot placement for sharper lines and text and less overspray
- Durst Workflow prepress & RIP software solution with Vanguard interactive G.U.I.

### Precise and accurate dot placement from print to print:

- New magnetic linear drive control
- High-volume ink jetting at an accurate level to support productivity
- Adjustable table with flatness of +/- 50 microns
- Six-zone, user-selectable vacuum system ensures efficient hold-down, no unintended media movement, and easy transitions between jobs

### More application possibilities:

- Best-in-class white ink-both from an opacity and color gradient standpoint and multi-layer printing that allows you to do the following:
  - Print on clear and colored media, such as wood, metal, or glass
  - Print backlit, double-sided applications
  - Print spot white to increase image vibrancy
- Lay white ink in all greyscale drop sizes
- Supports media up to 4 inches (10 cm.) thick
- Easier double-sided printing with registration pins on both sides of the table and G.U.I. support
- Supports heavy media up to 400 lbs (180kg)
- Up to 8 layers simultaneously



## Simply Superior

**Easy-to-use, intuitive printer operation and maintenance:**

- New Graphical user interface (GUI) is very intuitive with the layout of the media on the flatbed
- The GUI also enables ease of printing multiple copies (nesting) and double-sided applications
- Easy installation through 74" inch-wide (1.8m wide) wide doors
- Operator-friendly workstation with plenty of USB3 points
- Easy serviceability with easy access to printheads and electronics

### The Power of LED Technology

From the leaders in production-level LED inkjet printing, Vanguard brilliantly designed "cool cure" LED curing technology which empowers you to do more for less. Increase your profit opportunity by offering more premium-margin jobs while reducing operating costs and your environmental footprint.

- Extends your range of supported substrates, including lower-cost and added-value specialty media
- Increases uptime and productivity with instant on/off and less maintenance
- Drives 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 low VOCs, lower power consumption, and less waste and consumables

### Inks

Vanguard's VK300D-HS ink offers an extremely LARGE color gamut that will allow you to achieve Greenguard certification, without sacrificing adhesion.

# VK300D-HS

## Features

- Standard: CMYK + W + V
- Dynamic curing LED UV lamps
- Up to 1800 DPI
- Kyocera KJ4a printhead
- Up to 10 printheads
- RIP and print on demand or pre-ripped files at the printer interface
- One-year Service Program (ESP) Warranty covers your printer

## Media/Handling

- Vacuum System
- Max printable area: 112in x 62in | 3.09m x1.57m
- Max media thickness: 4 inches
- Max media weight: 400 lbs evenly distributed
- 6 zones
- Custom tables for wood and corrugated packaging

## 3 Levels of Greyscale

3./7/11 PC Dots

Durst RIP Solution

## Productivity

- Production mode – up to 2,900 sq. ft/hour
- Quality mode – up to 1,150 sq. ft/hour
- High Quality mode – up to 800 sq. ft/hour

## Formats

- All popular desktop file formats, including PDF, JPEG, EPS, AI

## Environmental Considerations

- Temperature 67-87°F
- Humidity: 30%-80% (noncondensing)
- No direct sunlight or extreme light exposure
- Weight: 3,427 lbs (1,554.5 kg)
- Dimensions (LxWxH): 18'7" x8'3" x4'9"
- Electrical: 2x 208v | 30A | 1 Phase

## Growing Your Business Together!



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