# VANGUARD
## DIGITAL PRINTING SYSTEMS
### A Durst Group Company

# FLATBED LED UV PRINTER

# VK300D-HS



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 up to 60 boards per hour.

## HIGH PRODUCTIVITY AND IMAGE QUALITY AT A COMPETITIVE PRICE:

- CMYK + White + Varnish with single pass, multi-layer printing
- Greyscale with variable drop technology 3 pico liter drop sizes for better color gradients and smoothing capability
- Precise dot placement for sharper lines and text and lessover-spray
- 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
- Solid aluminum table with flatness of +/- 50 microns
- Four-zone, user-selectable vacuum system ensures efficient hold-down, no unintended media movement, and easy transitions between jobs

## THE POWER OF LED TECHNOLOGY:

- 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
- Drive 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

| SINGLE ROW PRINT SPEEDS | | DUAL ROW PRINT SPEEDS | |
|---|---|---|---|
| Production | Up to 139 m/h | Express | Up to 317 m/h |
| Quality | Up to 56 m/h | Production | Up to 255 m/h |
| High Quality | Up to 37 m/h | Quality | Up to 98 m/h |
| | | High Quality | Up to 68 m/h |

# VK300D-HS

| SPECIFICATIONS | | DIMENSIONS | |
|---|---|---|---|
| Print Head | Kyocera KJ4A | W x D x H | 566 cm x 251 cm x 124 cm |
| Print Resolution | Up to 1800 apparent dpi As small as 4 pL | Crated W x D x H | 587 cm x 226 cm x 188 cm |
| Qty. of Heads | 10 (5x2 rows) | Weight | 1,588 kg |
| Base Ink | CMYK | Weight Crated | 1,795 kg |
| Optional Ink | w,v, lc, lm, spot | Operating Dimensions | 373 cm x 688 cm |
| Curing | Liquid Cooled LED | Print Room Door Clearance | 183 cm |

| REQUIREMENTS | | MEDIA | |
|---|---|---|---|
| Power | 2 x 200V, 1 phase, 32 amps, 1 x 220V, 1 phase,16 amps | Max Print Size | 154 cm x 318 cm |
| Environment | Dust free / climate controlled | Max Thickness | Up to 10 cm thick |
| Temperature | 19-31 C | Material Type | Rigid & flexible |
| Humidity | 40-70% non-condensing | Best Media | UV acceptable |
| Network | Connection optional | | |

| PERIPHERALS | |
|---|---|
| Computer | Integrated PC |
| Control Software | Integrated |
| Rip Solution | Durst Workflow |
| Processor | Intel |

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