

FLATBED PRINTERS

VANGUARD
DIGITAL PRINTING SYSTEMS

VK300D



The Vanguard Digital Printing Systems VK300D is the best, full-featured, 5' x 10' UV digital printer for the money. Period! Plus, it has been awarded by the SGIA Association to prove it. With the ability to print over 50 boards per hour for under \$200,000 you won't find any competitive printer with its impressive capabilities.

The VK300D utilizes the industrial Kyocera KJ4A printhead. The KJ4A is a 2 channel design to support two colors at a time. The small 4, 8, 12 picoliter drop size ensures tight dot placement for a vivid printed output. The KJ4A also boasts a native 600 dpi with an impressive 2,656 nozzles.

With only two printheads, the VK300D is capable of 10 boards and hour in a high Quality 8 pass print. With the ability to add 6 more color heads and 2 white heads, the same machine can produce over 50 boards an hour at a blazing 2 pass mode, certain to impress your high-volume low cost customers.

The VK300D doesn't back down from a challenge with its 4" thick print capability, reversible vacuum table top, automatic registration and height detection, you can quickly load and print a variety of materials with the most efficiency, but it doesn't stop there. Vanguard Digital sources the highest quality components to ensure your VK300D not only produces high quality prints, but delivers the reliability your company demands.

GROWING YOUR BUSINESS
TOGETHER



From Nothing
To 15 boards
in 1 hour

2 heads = 15 Boards/hour
4 heads = 25 Boards/hour
8 heads = 40 Boards/hour

Zelda's
Frame
Shop





VK300D

VK300D PRINTER

Print Head	KYOCERA KJ4A
Print Resolution	Up To 1800 Apparent DPI
# Of Head Slots	10 - (5 x 2 rows)
Base Ink	CMYK
Max Ink	CMYK-WW-CMYK x 2
Curing	Liquid Cooled LED

VK300D DIMENSIONS

W x D x H	18'7" x 8'3" x 4'9"
Crated W x D x H	19'3" x 7'5" x 6'2"
Weight	3,427 lbs
Weight Crated	3,958 lbs
Operating Dimensions	20' x 10'
Min. Door Clearance	80" x 96"

REQUIREMENTS

Power	(2) AC 220V, 30 A
Network	Connection Optional
Temperature	70 - 86 F
Humidity	40% - 80% (non-condensing)
Air Particulate	Dust Free

MEDIA

Max Print Size	61" x 123"
Max Thickness	Up to 4" Thick
Max Weight	300 lbs
Material Type	Rigid & Flexible
Best Media	UV Acceptable

SOFTWARE

Operating System	Windows 7 - 64 Bit
Monitor	Touch Screen
Control Software	Integrated
OEM RIP Solutions	Onyx / Caldera
RIP Hardware	Onboard/Included
Processor	Intel

GENERAL

Installation	3-5 Days On-Site
Training	1-2 Days On-Site
Site Location	Customer Responsibility
Warranty	1 Year Parts & Labor
Board Warranty	2 Years On Boards

BAND GUARD

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

NOISE GUARD

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

CURE GUARD

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

ACCU GUARD

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

TIME GUARD

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

MEDIA GUARD

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

STATIC GUARD

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

ALIGN GUARD

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

PRINT GUARD

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

PRESSURE GUARD

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