FLATBED PRINTERS

VANGUARD
DIGITAL PRINTING SYSTEMS

The Vanguard Digital Printing Systems VR5D 4' x 8' flatbed UV printer is the most robust, full-featured, flatbed printer money can buy, period! With every imaginable feature at an unbelievable price, your return on investment will far exceed expectations. With the ability to add up to 10 Ricoh Gen5 printheads, our printer will be on the same trajectory of growth as your business.

The VR5D utilizes dual-channel Ricoh Gen5 printheads allowing for greater versatility and scalability. With the ability to run two colors within the same printhead and 10 printhead slots in the jet-plate, our VR5D can be configured a multitude of different ways. The VR5D with just two printheads is capable of printing up to 60 4' x 8' boards in a single shift. Need more speed? Add a second row of printheads, either now or at any time in the future, and you can nearly double your output. Are you being met with the demand to print white? Vanguard has you covered! By simply adding white to your machine you'll have the capability to meet those demands.

BandGUARD is the unique feature that allows the VR5D to rise above the competition. By installing 4 printheads per row, we mirror the printhead array which dramatically affects bi-directional print capability therefore maximizing quality and minimizing time. The BandGUARD configuration, YMCK-KCMY, lays down the ink in the same color order in each direction. This allows for higher quality prints with fewer passes.

The versatility of the VR5D is its most valuable asset. You'll have the ability to not only print everyday signage, but also wood, metal, polycarbonate, aluminum, acrylic, glass, mirror and so much more. The VR5D's ability to print on media up to 4" thick, auto-height detection, one-touch pin registration, front/back and back/front printing and reversible 4-zone vacuum, make this printer the right choice for your UV flatbed printing needs.

GROWING YOUR BUSINESS TOGETHER

VR5D

VR5D PRINTER

Print Head	RICOH GEN 5
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

VR5D DIMENSIONS

W x D x H	15'4" x 6'7" x 4'9"
Crated W x D x H	16'5" x 7'5" x 5'11"
Weight	3,165 lbs
Weight Crated	3,729 lbs
Operating Dimensions	20' x 10'
Min. Door Clearance	80" x 96"

REQUIREMENTS

Power	(2) AC 220V, 1 Phase, 30 amp
Network	Connection Optional
Temperature	68-86 F
Humidity	40%-80% (non-condensing)
Air Particulate	Dust Free
Power	(2) AC 220V, 30 A

MEDIA

Max Print Size	49" x 99"
Max Thickness	Up to 4" Thick
Max Weight	300 lbs
Material Type	Rigid & Flexible
Best Media	UV Acceptable

SOFTWARE

Operating System	Windows 10 - 64 Bit
Monitor	Touch Screen
Control Software	Integrated
OEM RIP Solutions	Onyx / Caldera
RIP Hardware	Onboard
Processor	Intel

GENERAL

Installation	2-3 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.

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

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

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

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

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

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

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

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

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

VANGUARD
DIGITAL PRINTING SYSTEMS