

# Vanguard VR5D-E

## ENTRY LEVEL FLATBED LED UV PRINTER



### MEET THE VR5D-E

Vanguard Digital Printing Systems VR5D-E 4' x 8' flatbed LED UV printer is the most robust, full-featured, flatbed printer money can buy, period! With every imaginable feature at an unbelievable price, your ROI 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-E 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-E can be configured a multitude of different ways. The VR5D-E, with just two printheads in quality mode, is capable of printing up to 60 4' x 8' boards in a single shift. Need more speed? Add a second row of printheads, 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-E 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.

### VR5D-E **GROWS** with your business

#### **Need to increase production? Add print heads!**

Single row of heads = up to 13 boards per hour

Dual row of heads = up to 20 boards per hour

#### **Need more colors? Add them**

White, clear, light cyan, light magenta  
and spot clear optional

# Vanguard VR5D-E

With the VR5D-E from Vanguard Digital Printing Systems, you are only limited by your imagination. You can print on:

PVC Paper

Foam

Coroplast

Styrene

Wood

Metal

Plastic

Glass

Leather

Stone

Brick

Porcelain

Rubber

Fabric

Cardboard

Vinyl

Acrylic

Canvas

The versatility of the VR5D-E 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-E's ability to print on media up to 4" thick, auto-height detection, one-touch pin registration, front to back and back to front printing and reversible 4-zone vacuum, make this printer the right choice for your UV flatbed printing needs.

## Print Speed

**EXPRESS  
MODE**

**PRODUCTION  
MODE**

**QUALITY  
MODE**

**HIGH QUALITY  
MODE**

### Single Row

428 sq/ft/hour

322 sq/ft/hr

274 sq/ft/hr

180 sq/ft/hr

### Dual Row

648 sq./ft/hr

535 sq/ft/hr

476 sq ft | hour.

320 sq ft | hour

# Vanguard VR5D-E

## **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 front 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 positively charged substrates

## Specifications

### **PRINT HEAD**

Ricoh gen 5

### **MAX PRINT SIZE**

49" x 99"

### **PRINT RESOLUTION**

up to 1800 apparent dpi

### **MAX THICKNESS**

up to 4" thick

### **MAX WEIGHT**

300 lbs

### **# OF HEAD SLOTS**

10 – ( 5 X 2 rows )

## Requirements

### **POWER**

(2) ac 220v, 1 phase, 30 amp

### **COMPUTER**

integrated pc

### **ENVIRONMENT**

dust free / climate controlled

### **OPERATION SYSTEM**

Windows 10 -64 bit

### **CONTROL SOFTWARE**

integrated

### **TEMPERATURE**

68 – 86 f

## 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

### **CREATED WEIGHT**

3,729 lbs

### **OPERATING DIMENSIONS**

20' x 10'

### **MINIMUM DOOR**

**CLEARANCE = 72"**

# Vanguard VR5D-E

**BASE INK**  
CMYK

**HUMIDITY**  
40 – 80% non-condensing

**MATERIAL TYPE**  
rigid & flexible

**RIP SOLUTIONS**  
onyx | caldera

**OPTIONAL INK**  
w, v, lc, lm, spot.

**NETWORK**  
connection optional

**BEST MEDIA**  
uv acceptable

**PROCESSOR**  
intel

**CURING**  
liquid cooled led

## AWARD WINNING WIDE FORMAT PRINTERS

Winner of Six SGIA Product of the Year Awards

For the fourth year in a row, Vanguard Digital has been honored with the Specialty Graphic Imaging Association's [SGIA] prestigious Product of the Year award in four unique printer categories. This annual competition showcases the highest quality machines and most innovative advancement in the specialty imaging and print industry.