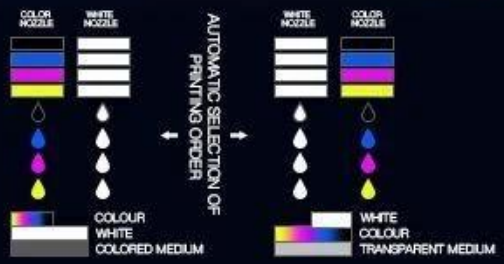
## Description:

# RICOH SERIES UV PRINTER LARGE FORMAT

RICOH GEN5 HEAD • ANTI COLLISION • SAFE OPERATION • INDUSTRIAL FAST SPEED




## APPLICATION SCENE

Phone case

Outdoor advertising

Subway advertising

Car body sticker

Ground advertising

# COLOR SCHEMES

| Ricoh Gen5 Print Heads Arrangement (3~6pcs Heads Options)<br>RH1610/ RH1610GM/ RH2513: Single Head Double Color | | | |
|---|---|---|---|
| Print Heads Color | Print Heads Quantity | Color Arrangement | Print Area |
| 2color+1white | 3pcs | K C M Y W W | 160*100cm,250*130cm |
| 3color+1white | 4pcs | K C M Y LC LM W W | 160*100cm,250*130cm |
| 2color+1white+1varnish | 4pcs | K C M Y W W V V | 160*100cm,250*130cm |
| 3color+1white+1varnish | 5pcs | K C M Y LC LM W W V V | 160*100cm,250*130cm |
| 2color+2white | 4pcs | K C M Y W W W W | 160*100cm,250*130cm |
| 3color+2white | 5pcs | K C M Y LC LM W W W W | 160*100cm,250*130cm |
| 2color+2white+1varnish | 5pcs | K C M Y W W W W V V | 160*100cm,250*130cm |
| 3color+2white+1varnish | 6pcs | K C M Y LC LM W W W W V V | 160*100cm,250*130cm |

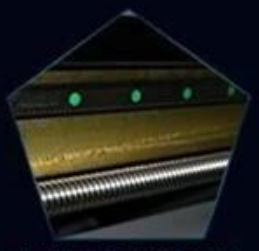
# PRODUCT PARAMETERS

| | |
|---|---|
| **NAME** | Large Format Digital UV Flatbed Printer |
| **MODEL NO.** | RH1610/RH2513 |
| **PRINT SIZE** | 1600*1000mm/2500*1300mm |
| **PRINT HEAD** | Ricoh Gen5 |
| **PRINT HEAD QUANTITY** | 3~6 |
| **PRINT COLOR** | KCMYLcLmWWVV |
| **PRINT HEIGHT** | 100mm |
| **CURING SYSTEM** | 2 * LED UV |
| **PRINT FORMAT** | TIFF, PSD, JPG, etc |
| **CLEANING SYSTEM** | Auto Positive Pressure Printing |
| **INTERFACE** | USB2.0 |
| **OPERATION SYSTEM** | Windows 7/ Windows 8/ Windows 10 |
| **POWER REQUIREMENT** | 50/60HZ 220V(±10%)<20A; |
| **TEMPERATURE/HUMIDITY** | 68-82°F HR40-60% |
| **RIP SOFTWARE** | PhotoPrint |
| **PRINTER WEIGHT** | 615kg (1356lb)/820kg (1807.79lb) |
| **PRINTER SIZE** | 313cm*175cm*135cm (123"*69"*53") |
| **PACKING WEIGHT** | 1400kg (3086lb)/1570kg (3461lb) |
| **PACKING SIZE** | 377*196*162cm/467cm*227cm*170cm |

# FEATURES

Platform locating function

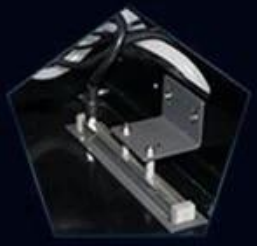
Suction platform segment control



Double guide,double screw

X,Y axis uses three groups of servo systems

Automatic height detector, ink carriage anti-collision



Ink carriage with Anti-static device

high sensitive printer anti-collision,safe operation

The color separation cleaning device has high washout rate and better

Environmental friendly LED-UV curing

Support CMYK, White and Varnish synchronization output

# OUR ADVANTAGES

## MACHINE DESIGN ADVANTAGES:

- Durable parts for industrial production.
- Emergency stop switches make it easy to stop operation from any corner of the printer.
- The inside of Printer head has heating function, printing won't be affected by temperature, and no need water cooling system to keep constant temperature.
- Jet force of Ricoh GEN5 printer head is better than Toshiba, there will be no printing affect even space between 3mm.
- Printer is equipped with electrostatic air gun, infrared radiation and anti-collision device on the carriage.

## OUTSTANDING PRINTING SPEED AND QUALITY:

- Industrial fast printing speed, only 15'06" for full size printing 160*100cm.
- UV curing ink can print in varies materials directly, it can get perfect high performance in color and productivity.

## MACHINE STRUCTURE FEATURES:

- Zero positioning assistant system.
- High-precision, high-thickness integrated platform.
- Equipped with vacuum table with Strong material adsorption, easy to feed materials.
- Automatic height measurement system.
- High-sensitivity collision avoidance system.
- Printer head with inner heating temperature controller.
- white ink stirring system.
- Print the color ink and white ink at the same time.
- Y axis adopts imported wire rod and guide rail.
- XY axis adopts high quality servo motor.
- Support the color ink, white ink and varnish oil synchronization output.

## MACHINE STRUCTURE FEATURES:

- Ricoh GEN5 prinhead has 5-8 gray scale piezoelectric nozzles, variable ink drop printing, minimum 7pl photo level accuracy, can clearly print 2pt fonts, the maximum resolution up to 1440*1200dpi. Head carriage positi-oning using a fixed linear grating to ensure high-precision print positioning.
- It has a high degree of printing characteristics, 6 pass bidirectional 13 square meters per hour.
- The maximum print height is 100mm, suitable for printing on glass, acrylic, wood, ceramic tile, metal plate, PVC plate, plastic and other materials.
- Save ink up to 30%-50%
- This printing speed is faster than normal Epson and Toshiba printhead printer, life-time is much longer as well.
- You can set different printing pass to meet your printing result.
- Auto Height Sensor: Smartly Detect the Distance between Media and Printer Head
- UV Light Brightness Switch: Adjustable UV light Brightness to Fit Curing Needs
- Auto Positive Pressure Cleaning System

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· Ricoh Gen5[illegible]3mm[illegible]
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· [illegible]15'06“[illegible]160 * 100[illegible]
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[illegible]
· Ricoh Gen5 Prinhead[illegible]5-8[illegible]7pl[illegible]2pt[illegible]1440 * 1200dpi[illegible]
· [illegible]6[illegible]13[illegible]/[illegible]
· [illegible]100mm[illegible]PVC[illegible]
· [illegible]30[illegible]-50[illegible]
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## Specification:

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|---|---|
| [illegible] | RH2513 |
| **UV[illegible]** | UV LED[illegible] |
| [illegible] | [illegible] |
| [illegible] | 98.43“* 51.18”[illegible]250 * 130[illegible] |
| [illegible] | 10[illegible]3.94''[illegible] |
| [illegible] | 3800W |
| [illegible] | 50 / 60Hz 220V[illegible]±10[illegible]<20A |
| [illegible] | 20[illegible]28c hr40-60[illegible] |
| [illegible] | Ricoh Gen5[illegible]320x4[illegible]3[illegible]6pcs[illegible] |
| **RIP[illegible]** | Sai Photoprint DX Plus |
| [illegible] | [illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible] |
| [illegible] | Windows 7 / Windows 8 / Windows10 |
| [illegible] | UV[illegible] |
| [illegible] | KCMYWW / KCMYLCLMWW / KCMYLCLMWWVV |
| [illegible] | CISS[illegible] |
| [illegible] | USB2.0. |
| [illegible] | 1300kg. |
| [illegible] | 467 * 227 * 170cm |

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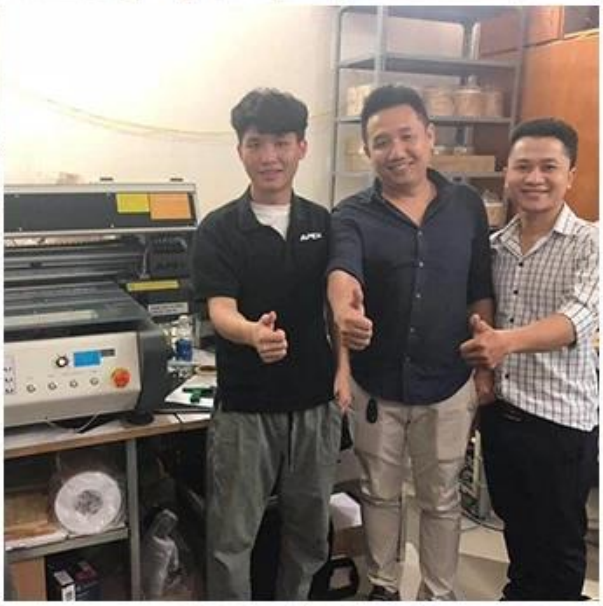
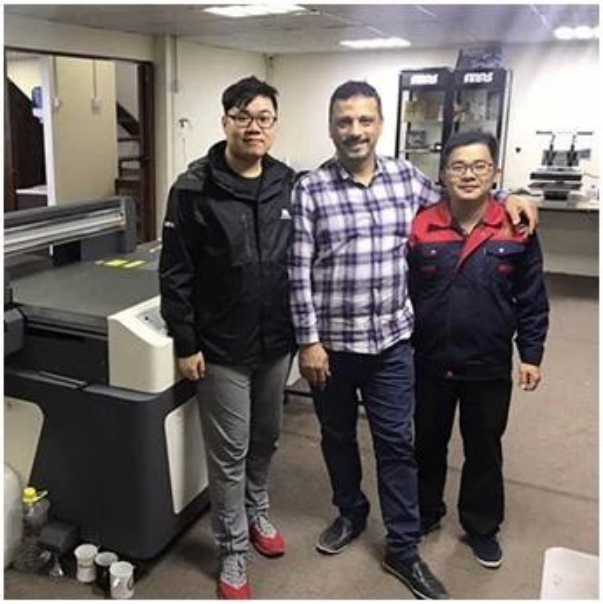
## Display:

42.3

www.apex-jet.com

# PROFESSIONAL R&D TEAM

# OUR EXHIBITIONS

# ENGINEERS ON-SITE SUPPORT