

Flora X20

High Productivity UV Hybrid

RICOH
imagine. change.

Improve your printing versatility
using a UV Hybrid solution
powered by Ricoh.



Up to 116m²/h
Full colour on rigid
or flexible



FLORA[®]

Explore the huge potential of UV Hybrid printing offered by Ricoh

Get ready for high flexibility and versatility for your business. Ricoh's new offering can transform your commercial printing.

An ALL-IN-ONE solution that offers a combination of features that make it versatile and suitable for a variety of applications.

High quality printing on rigid and flexible materials, productivity and speed are part of our proposition, and automatic features such as media height detection and vacuum operator pedal simplify the process.

A simple, intuitive and flexible solution with an easy return on investment. Hybrid UV printing technology is increasingly popular among signmakers, graphics manufacturers, design & advertising agencies, retailers and screenprinting companies.

Let Ricoh support you.



Ricoh Printheads

Ricoh's MH5320 variable dot Gen6 inkjet printheads are made of stainless steel, designed to deliver day-one quality over years of reliable use.



LED UV Curing Lamps

Angled and water cooled LED curing lamps - better colour fixing and energy saving.



Adjustable Vacuum

Pedal operated and adjustable vacuum printing platform stabilises media feed, simplifying operator usage



RIP Software

ColorGATE
A RICOH Company

ProductionServer Select Ricoh Hybrid Edition, where precision meets automation to help you bring your printing operations to new heights.



Ink Configurations

3 available;

- CMYK (4x Gen6 Printheads)
- CMYKWW (6x Gen6 Printheads)
- CMYKWCI (6x Gen6 Printheads)



RICOH

Powered by RICOH

LED Lightbox System

Built-in LED light strip to preview print quality during print.



Auto Media Detection

Automatic media thickness detection system.



Linear Motor

High speed and smooth carriage motion, offering high acceleration and deceleration, reducing maintenance and energy consumption.



Ricoh Service & Support

Ricoh EMEA Sales and Service support to offer consultancy during demos and media testing. Onsite support during device installation and configuration.



Ricoh COLORBASE Portal

Dedicated Ricoh ICC profile portal <https://colorbase.com/rich>



X20 Hybrid

SYSTEM SPECIFICATIONS

GENERAL

Ink Type	UV Curable
Head Type:	Ricoh GEN6 high speed piezo durable print heads (MH5320)
Resolution:	300dpi, 600dpi, 900dpi, 1200dpi
Droplet Size:	5pl
Curing Method:	LED Lamps (Water Cooled)
Ink Set Combinations:	4-colour mode (CMYK) - 4 Gen6 Printheads 5-colour mode (CMYK + Double White) - 6 Gen6 Printheads 6-colour mode (CMYK + White + Clear) - 6 Gen6 Printheads
Ink Bottle Capacity:	1L
Ink Tank Capacity:	2.5L
RIP Software:	ColorGATE ProductionServer - Ricoh Hybrid Edition

PRODUCTIVITY

Draft:	726x300dpi @ 116m ² /h
Production:	726x600dpi @ 67m ² /h
Standard:	726x600dpi @ 49m ² /h
Quality:	726x900dpi @ 25m ² /h
High Quality:	726x1200dpi @ 14m ² /h

MEDIA HANDLING

Handling:	Adjustable vacuum belt drive system with 2 modular tables included
Thickness:	51mm
Media Size:	Maximum W2000
Media Feed Length:	Maximum 300m or less
Roll Outside Diameter:	Maximum 300mm or less

ENVIRONMENT CONSIDERATIONS

Temperature:	20-30°C
Humidity:	40-80% (non condensing)
Dimensions	(W x D x H) 4200mm x 1000mm x 1750mm
Weight:	1700kg (Printer only), 1900kg (Printer and Tables)
Interface:	USB 3.0
Power Source:	AC220-240V Single Phase 50/60Hz 32A

PC SPECIFICATIONS - Minimum

Print Control Software only

Windows OS:	Windows 11
CPU:	Intel Core i7 3.3GHz or more recommended
RAM:	8GB or more recommended
HDD:	Recommended - 500GB or more Install Space - 1GB or more Working Space - 100GB

ColorGATE Select Version (bundled)

Windows OS:	Windows 11
CPU:	Intel Core i7 Quad Core
RAM:	16GB or more recommended
HDD:	Recommended - 500GB or more Working Space - 120GB

PC Monitor

Size:	21-23 inch
Depth:	Maximum 55mm
Resolution:	1280 x 1024, 16-bit or higher
Mount:	VESA Standard 75 -115mm

 **COLORBASE**
<https://colorbase.com/ricoh>



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