



# General Inkjet Printing: Digital inkjet printing system :HARPY R520C<sup>4</sup> HD



**HD**  
1200dpi

- + Stable and high-speed printing unit**  
Heavy Duty printing platform capable of printing at a high speed of 150m/min.
- + Suitable for many markets**  
Suitable for printing applications such as commercial printing, publications, documents, digital printing, educational materials and package instructions.
- + Excellent printing quality**  
Maximum resolution up to 1200dpi\*1200dpi
- + Agfa Apogee digital workflow software**  
With the latest APPE printing engine and Agfa's over 30 years of color management and workflow control experience, printing becomes simpler, more precise and more reliable.



**HD**  
1200dpi

- ① The new generation imported high-precision printheads achieves high-definition, color realistic printing quality on coated paper with a maximum resolution of 1200×1200dpi, which solved the problem of printing on coated paper and has a higher lifetime.
- ② Heavy duty printing platform capable of printing at a high speed of 150m/min.
- ③ Exclusive nozzle compensation technology achieves finer images, effectively achieves printing quality comparable to offset printing for customers.
- ④ Printhead idle spitting technology prevents printhead to become dry when the machine is not in printing model; automatic printhead humidifying and cleaning will make maintenance easier.
- ⑤ It adopts ink degassing module and printhead circulation technology to effectively prevent gas bubbles that easily occur in water-based inks, so as to ensure the best graphic and text printing effects.
- ⑥ Superior ink supply control system can ensure stable ink supply and precise ink volume control for more stable printing operations over a long period.
- ⑦ Unique built-in dryer with small space can achieve good drying effect at a low temperature.

## 1200dpi High-speed Printing Unit

## High Quality Water-based Environmental Protection Inks

- ① Thanks to superior ink formulas, General Inkjet Printing's water-based pigment inks can achieve eco-friendly performance with superior stability.
- ② Quick drying water-based inks not only reduce drying time but also lowers ink and power consumption, thus further saving in production cost.
- ③ Superior paper adaptability: aside from digital printing papers, General Inkjet Printing's water-based inks also have superior performance on offset papers and newsprints with more paper options.



## Highly Flexible Roll to Roll Feeding System

General Inkjet Printing's Harpy R520C4 HD inkjet digital printing system is equipped with a highly flexible roll to roll feeding unit that supports media with feeding width up to 535mm, achieve high printing speed to meet users' needs.

## Unique Printhead Control System

- ① Each printhead is controlled by a dedicated driver board for greater printing efficiency and easier maintenance.
- ② Low energy consumption and high data throughput based on the latest smartphone chips technology.

## Powered by Agfa Apogee Agfa Apogee software workflow system

Fully integrated with Agfa Apogee Prepress workflow to ensure the highest reliability and simply operation.



Note: Harpy can also work together with other certified software workflow system.

### Easy To Use

Apogee allows you to trace all prepress steps, and smart visualized operation interface keeps you updated on current production status.

### The Latest Technology

Apogee adopts the latest Adobe PDF printing engine (APPE), ensuring reliable; high-quality rendering; precise file processing.

### Built-in Imposition Module

Apogee's built-in imposition module makes operations more flexible and efficient, ensuring efficient on mass processing of files.

### Built-in Preflight Module

Automatically checks files at any time to align with printing requirements.

### Color Management Module

It is compatible with various printing technologies and certified proofing standards, ensuring color quality and consistency throughout all stages of your work process.

# HARPY R520C<sup>4</sup> HD

## Specifications

Model	Harpy R520C <sup>4</sup> HD
<b>Technical Specification</b>	
Printing Method	Four - color double - side
Color Configuration	CMYK
Maximum Printing Speed	150m/min
Resolution	1200X600dpi; 1200X900dpi; 1200X1200dpi
Registration Accuracy	±0.2mm
Ink Type	Water-based environmental protection ink
Drying Method	Infrared drying system
<b>Media</b>	
Maximum Media Width	535mm
Maximum Print Width	535mm
Media Weight	45 - 165g/m <sup>2</sup>
Paper Type	Digital printing papers, offset papers, inkjet coated papers, newsprints, coated paper, etc
Maximum Rolling Diameter	1200mm
<b>Power</b>	
Mechanical Platform	380V, Max. 94KW
Printing System	220V, 4 - 8KW
<b>Environment</b>	
Temperature	22 - 26°C
Humidity	40 - 70%RH
<b>System Components</b>	
Unwinding System	✓
Printing System	✓
Winding system	✓
Infrared Drying System	✓
Roll Paper Guiding System	✓
Roll Paper De-static And Dust Removal System	✓
<b>Unique Technology</b>	
<b>Advantage</b>	
Industrial grade piezoelectric nozzle	Higher printhead jetting frequency and long life span
High-precision Printhead Base Plate and Software Stitching Compensation Technology	Eliminate stitching line issue between print heads
Software Speed Compensation Technology	Effectively addresses the issue of front side and back side registration off due to platform acceleration and deceleration difference
Printhead Idle Spitting Technology	Prevents printhead clogging in idle status
Resume Printing Function	Software automatically remembers the number of previously printed copies
Reprinting Function	Reprint any page and any number of copies
Print Count Function	View printing history record and output
Automatic Printhead Maintenance And Humidifying System	Effectively reduces manpower and time cost
Use Ink Degassing Module And Head Circulation Technology	Effectively prevent gas bubbles in water-based inks

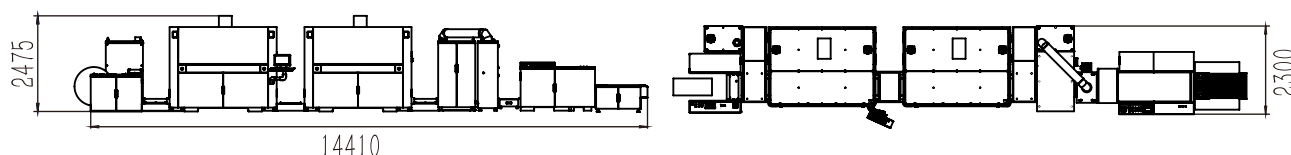
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Notes: Actual speed is related to platform delivery configuration.

Notes: Only certified coated paper is supported.

## Product layout ▶

Unit : mm



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