

## Hybrid Anapura LED series

High-speed 4/6-color + white hybrid UV LED-curable inkjet system with a printing width from 1.65 to 3.2 m for indoor and outdoor applications.



### Overview

The wide-format hybrid Anapura LED series is a perfect fit for sign shops, digital printers, photo labs and mid-size graphic screen printers that want to combine board and roll-to-roll print jobs.

The engines print at a width up to 3.2 m and combine high quality with high productivity for outdoor and indoor, rigid and flexible wide-format jobs. The white ink function creates possibilities for printing on transparent material for backlit applications or for printing white as a spot color. Go for the optional automatic board feeder to increase your productivity even more.

The hybrid Anapura LEDs are fitted with air-cooled UV LED lights that save you energy, costs and time. Due to their minimal energy output, these LED lights are ideal for thin heat-sensitive materials. They also lead to faster operations as they can be switched on and off instantaneously.

### Related Information

- [Hybrid Anapura LED series brochure \(English\)](#)
- [Hybrid Anapura LED series brochure \(French\)](#)
- [Hybrid Anapura LED series brochure \(German\)](#)
- [Hybrid Anapura LED series brochure \(Italian\)](#)
- [Hybrid Anapura LED series brochure \(Portuguese\)](#)
- [Hybrid Anapura LED series brochure \(Spanish\)](#)

Agfa Graphics enriches wide-format hybrid Anapura LED series for sign and display with new Anapura H1650i LED, to be revealed at C!Print 2018 (Lyon) from 6 to 8 February 2018



Watch this movie online on

<https://www.agfagraphics.com/global/en/product-finder/anapurna-hybrid.html>



## Key Benefits

- High-quality printing on a wide range of uncoated rigid media as well as on roll media
- Robust industrial engineered concept fit for sustained higher workloads
- UV LED lamps that enable printing on thermally sensitive materials and save costs, time and the environment
- High productivity—enhanced even more by multiple board printing and/or automatic board feeding
- UV LED ink for fast drying, material versatility and a very wide color gamut
- Printing pre-, sandwich and post-white in one run
- Thin Ink Layer technology for the lowest ink consumption in the market
- Powered by Asanti workflow software



## Features

### Solid design for great accuracy

Thanks to a reinforced belt drive and shuttle beam, the hybrid Anapurna printers bring a highly accurate dot positioning and thus excellent image quality, which is further enhanced by the gradient and multi-layer functionality. The eight 12 picolitre heads guarantee printing of good solids, fine text reproduction of up to 4 pt, good tonal rendering and low ink consumption.

### UV LED lamps that save time, costs and the environment

The hybrid Anapurna printers are fitted with air-cooled 16 Watt/cm<sup>2</sup> UV LED lamps, which results in a number of unique advantages related to generating extra business, cost savings and environmental friendliness. These include a wider applications scope, higher productivity and less power consumption.

[Read more about the unique advantages of LED technology.](#)

### Latest generation of fast-firing print heads



Incorporating the latest generation of fast-firing print heads, the hybrid Anapurna's offer an impressive throughput. They enable you to maintain a high print production on all substrates, satisfying even your most demanding customers.

## Multiple board and automatic board printing

The Anapurna H2050i and H2500i can have an automatic board feeder added in order to increase productivity substantially. This optional table provides an automated solution for volume printing of small board sizes—up to four boards can be printed in parallel on the Anapurna H2050i LED and up to five boards on the Anapurna H2500i LED. The borderless printing feature makes post-finishing superfluous.

## Flawless media handling

Media loading is smooth and accurate thanks to automated features such as the media registration bar and head height adjustment. The automatically controlled vacuum system, consisting of four zones, delivers an equal vacuum during the printing process, whether printing rolls or rigid materials. This ensures flawless media transport, giving accurate print results at all times.

## Ink monitoring

During production the ink levels are monitored by the automatic ink refill system. The ink (re)filling system can be accessed easily, enabling a spotless refill of your ink containers. The white ink is managed by a fully separate system (circulation, under-pressure regulation and cleaning circuit). The tank containing it is equipped with a stirring mechanism to keep the ink properly mixed at all times.

## Inflatable airshaft

In the roll-to-roll mode, inflatable airshafts both on the unwinding and rewinding side, as well as a media tension roller on the rewinding side, assure perfect tension of the materials and wrinkle-free printing. While these features are standard on the largest models, they come as options on the Anapurna H1650i LED, replacing the default combination of the metal unwinding shaft with media free fall.

## Extended media tables

The Anapurna H2050i LED, the Anapurna H2500i LED and the Anapurna H3200i LED come standard with an additional set of large media tables that are coupled to the default smaller rigid media tables. This makes it possible to print on rigids up to a length of 3.2 m. With the entry-level Anapurna H1650i LED, these additional large media tables are optional.

## More Features

- Reinforced beam for accurate dot placement
- Automated media positioning bar mounted on table for the registration of rigids
- Shuttle safety sensors to prevent print heads from touching the substrate
- Ionization bar mounted on each side of the carriage to remove electro-static charges on the substrate
- Powerful fastscan motor
- Straightforward graphic user interface in a swivel-arm mounted touchscreen
- Convenient user interface
- Internal bitmap server with a HD of 1 TB for ripped images for fast spooling and secure transfer of big amounts of data
- Network and USB3 (2) connection

## Applications



- Banners, posters, exhibition graphics, POP, mock-ups, backlit, frontlit, self-adhesives (labels)
- Niche applications: DVD printing, wood, art reproductions, personalized object printing...
- Party gadgets (beer coasters...)
- Architectural and interior decoration, ceramics printing



## Technical Specs

<b>Anapura H1650i LED</b>	
<b>Media &amp; Printing Specifications</b>	
<b>Rigid media</b>	
Maximum width	165 cm (5.4 ft) 160 cm (5.2 ft) with borderless printing
Maximum length	3.2 m (10.5 ft) – 4 rigid tables (2 rear & 2 front)
Minimum size	A2 landscape (60 x 42 cm – 1.97 x 1.4 ft)
Thickness	Minimum thickness: 1 mm (0.04") Maximum thickness: 45 mm (1.77")
Maximum weight	10 kg/m <sup>2</sup> on printing table (22 lb)
<b>Flexible media</b>	
Maximum width	165 cm (5.4 ft)
Maximum length	n/a – restricted by weight and diameter
Thickness	Min. 0.2 mm
Maximum weight	50 kg (110 lb)
Maximum roll outside diameter	Support for 3" core-media rolls with maximum outside diameter 36 cm (14.17")



Borderless printing flexible media

160 cm (5.2 ft)

#### Productivity

Draft mode

Up to 63 m<sup>2</sup>/h (up to 678 ft<sup>2</sup>/h)

Express mode

44-54 m<sup>2</sup>/h (474-581 ft<sup>2</sup>/h)

Production mode

Up to 28 m<sup>2</sup>/h (301 ft<sup>2</sup>/h)

Standard quality mode

13-17 m<sup>2</sup>/h (140-183 ft<sup>2</sup>/h)

High-quality mode

Up to 7 m<sup>2</sup>/h (75 ft<sup>2</sup>/h)

#### Print Heads & Inks

Print heads

- 4 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors)
- 2 Konica-Minolta KM1024i-heads: 30 pl (white in line)
- Or
- 6 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors)

Inks

Or CMYK + white

Or CMYKLcLm

#### Image & Text Quality

High-quality prints

Up to 720 x 1400 dpi

Text quality

Positive: 4 point / Negative: 6 point

#### Engine Weight & Dimensions

Printer dimensions (H x W x L)

166 x 391 x 147 cm

Weight

1,020 kg (2249 lb)

#### Electricity & Compressed Air

Electricity	380 V 3-phase star connection with Neutral wire  (3x 32A*) 50/60Hz  230V 3-phase delta connection without Neutral wire  (3x 30A*) 50/60 Hz
Compressed air	Oil free (class 1 according to ISO 8573-1 2010), 160 l/min compressor with 50 l barrel @6bar
System Integration RIP / Workflow Software	Integrated production solution with Asanti, third-party RIP integration possible

**Anapura H2050i LED**

**Media & Printing Specifications**

**Rigid media**

Maximum width	205 cm (6.7 ft)  200 cm (6.6 ft) with borderless printing
Maximum length	3.2 m (10.5 ft) – 4 rigid tables (2 rear & 2 front)
Minimum size	A2 landscape (60 x 42 cm – 1.97 x 1.4 ft)
Thickness	Minimum thickness: 1 mm (0.04")  Maximum thickness: 45 mm (1.77")
Maximum weight	10 kg/m <sup>2</sup> on printing table (22 lb)

**Flexible media**

Maximum width	205 cm (6.7 ft)
Maximum length	n/a – restricted by weight and diameter

Thickness	Min. 0.2 mm
Maximum weight	50 kg (110 lb)
Maximum roll outside diameter	Support for 3" core-media rolls with maximum outside diameter 36 cm (14.17")
Borderless printing flexible media	200 (6.6 ft)
<b>Productivity</b>	
Draft mode	Up to 104 m <sup>2</sup> /h (up to 1,119 ft <sup>2</sup> /h)
Express mode	64-71 64 m <sup>2</sup> /h (689-764 ft <sup>2</sup> /h)
Production mode	32-52 m <sup>2</sup> /h (344-560 ft <sup>2</sup> /h)
Standard quality mode	19-28 m <sup>2</sup> /h (204-301 ft <sup>2</sup> /h)
High-quality mode	14-15 m <sup>2</sup> /h (151-161 ft <sup>2</sup> /h)
<b>Print Heads &amp; Inks</b>	
Print heads	<ul style="list-style-type: none"><li>• 6 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors)</li><li>• 2 Konica-Minolta KM1024i-heads: 30 pl (white in line)</li></ul>
Inks	CMYKLcLm + white
<b>Image &amp; Text Quality</b>	
High-quality prints	Up to 720 x 1400 dpi
Text quality	Positive: 4 point / Negative: 6 point
<b>Engine Weight &amp; Dimensions</b>	
Printer dimensions (H x W x L)	177 x 450* x 160 cm (70 x 177* x 63")  * without swivel arm
Weight	1,800 kg (3968 lb)



Electricity & Compressed Air	
Electricity	380 V 3-phase star connection with Neutral wire  (3x 32A*) 50/60Hz  230V 3-phase delta connection without Neutral wire  (3x 30A*) 50/60 Hz
Compressed air	Oil free (class 1 according to ISO 8573-1 2010), 160 l/min compressor with 50 l barrel @6bar
System Integration RIP / Workflow Software	Integrated production solution with Asanti, third-party RIP integration possible

Anapura H2500i LED	
Media & Printing Specifications	
Rigid media	
Maximum width	250 cm (8.2 ft)  247 cm (8.1 ft) with borderless printing
Maximum length	Supported by 1 rigid roller table: 140 cm (4.59 ft)  Supported by 1 rigid roller table + media extension table (default): 320 cm (10.5 ft)
Minimum size	A2 landscape (60 x 42 cm – 1.97 x 1.4 ft)
Thickness	Minimum thickness: 1 mm (0.04")  Maximum thickness: 45 mm (1.77")
Maximum weight	10 kg/m <sup>2</sup> on printing table (22 lb)
Flexible media	
Maximum width	250 cm (8.2 ft)





Maximum length	n/a – restricted by weight and diameter
Thickness	Min. 0.2 mm
Maximum weight	50 kg (110 lb)
Maximum roll outside diameter	Support for 3" core-media rolls with maximum outside diameter 36 cm (14.17")
Borderless printing flexible media	247 cm (8.1 ft)
<b>Productivity</b>	
Draft mode	Up to 115 m <sup>2</sup> /h (up to 1,238 ft <sup>2</sup> /h)
Express mode	70-78 m <sup>2</sup> /h (753-840 ft <sup>2</sup> /h)
Production mode	35-57 m <sup>2</sup> /h (377-614 ft <sup>2</sup> /h)
Standard quality mode	21-31 m <sup>2</sup> /h (226-334 ft <sup>2</sup> /h)
High-quality mode	16-17 m <sup>2</sup> /h (172-183 ft <sup>2</sup> /h)
<b>Print Heads &amp; Inks</b>	
Print heads	<ul style="list-style-type: none"><li>• 6 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors)</li><li>• 2 Konica-Minolta KM1024i-heads: 30 pl (white in line)</li></ul>
Inks	CMYKLcLm + white
<b>Image &amp; Text Quality</b>	
High-quality prints	Up to 720 x 1400 dpi
Text quality	Positive: 4 point / Negative: 6 point
<b>Engine Weight &amp; Dimensions</b>	
Printer dimensions (H x W x L)	177 x 500* x 160 cm (70 x 197* x 63") * without swivel arm

Weight	2,200 kg (4850 lb)
<b>Electricity &amp; Compressed Air</b>	
Electricity	380 V 3-phase star connection with Neutral wire  (3x 32A*) 50/60Hz  230V 3-phase delta connection without Neutral wire  (3x 30A*) 50/60 Hz
Compressed air	Oil free (class 1 according to ISO 8573-1 2010), 160 l/min compressor with 50 l barrel @6bar
System Integration RIP / Workflow Software	Integrated production solution with Asanti, third-party RIP integration possible

<b>Anapurna H3200i LED</b>	
<b>Media &amp; Printing Specifications</b>	
<b>Rigid media</b>	
Maximum width	320 cm (10.5 ft)  316 cm (10.3 ft) with borderless printing
Maximum length	Supported by 1 rigid roller table: 140 cm (4.59 ft)  Supported by 1 rigid roller table + media extension table (default): 320 cm (10.5 ft)
Minimum size	A2 landscape (60 x 42 cm – 1.97 x 1.4 ft)
Thickness	Minimum thickness: 1 mm (0.04")  Maximum thickness: 45 mm (1.77")
Maximum weight	10 kg/m <sup>2</sup> on printing table (22 lb)
<b>Flexible media</b>	

Maximum width	320 cm (10.5 ft)
Maximum length	n/a – restricted by weight and diameter
Thickness	Min. 0.2 mm
Maximum weight	0.31kg (0.682 lb) per cm (0.4”) roll width, meaning 100kg (220 lb) evenly distributed over the full 3.2 m (10.5 ft) width
Maximum roll outside diameter	Support for 3” core-media rolls – maximum media roll diameter 30 cm (11.8”) (larger diameter up to 50 cm (19.7”) can be allowed within the distributed weight limitation, in case only print side OUT is used – both unwinder and winder)
Borderless printing flexible media	316 cm (10.3 ft)
<b>Productivity</b>	
Draft mode	Up to 129 m <sup>2</sup> /h (up to 1,388 ft <sup>2</sup> /h)
Express mode	77-87 m <sup>2</sup> /h (829-936 ft <sup>2</sup> /h)
Production mode	39-64 m <sup>2</sup> /h (420-689 ft <sup>2</sup> /h)
Standard quality mode	23-34 m <sup>2</sup> /h (248-366 ft <sup>2</sup> /h)
High-quality mode	9-19 m <sup>2</sup> /h (97-205 ft <sup>2</sup> /h)
<b>Print Heads &amp; Inks</b>	
Print heads	<ul style="list-style-type: none"><li>• 6 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors)</li><li>• 2 Konica-Minolta KM1024i-heads: 30 pl (white in line)</li></ul>
Inks	CMYKLcLm + white
<b>Image &amp; Text Quality</b>	
High-quality prints	Up to 720 x 1400 dpi
Text quality	Positive: 4 point / Negative: 6 point

### Engine Weight & Dimensions

Printer dimensions (H x W x L) 177 x 572 x 193 cm (70 x 225 x 76")

Weight 2,800 kg (6170 lb)

### Electricity & Compressed Air

Electricity 380 V 3-phase star connection with Neutral wire  
(3x 32A\*) 50/60Hz  
230V 3-phase delta connection without Neutral wire  
(3x 30A\*) 50/60 Hz

Compressed air Oil free (class 1 according to ISO 8573-1 2010), 160 l/min compressor with 50 l barrel @6bar

System Integration RIP / Workflow Software Integrated production solution with Asanti, third-party RIP integration possible

Not all models are available in all regions. Contact your local sales representative for detailed information.



## Agfa Graphics inkjet inks – always spot on

Our UV LED inks are the lifeblood of the Anapura printers. This is what you get from these top performers:

- Wide color gamut, no matter the medium
- UV LED-curing for a wide scope of applications
- Thin Ink Technology: High pigment load results in vibrant, offset-like prints with lowest ink consumption on the market
- Batch-to-batch consistency
- Smooth pre-white, sandwich white, and post-white printing
- High durability
- Extensive shelf life

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## Powered by Asanti

All of Agfa Graphics' wide-format printers are driven by our Asanti wide-format workflow software, which controls the entire printing process from prepress to production and finishing. As such, it simplifies, optimizes and automates as many steps as possible, offering you a high-performance solution for increased productivity.

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