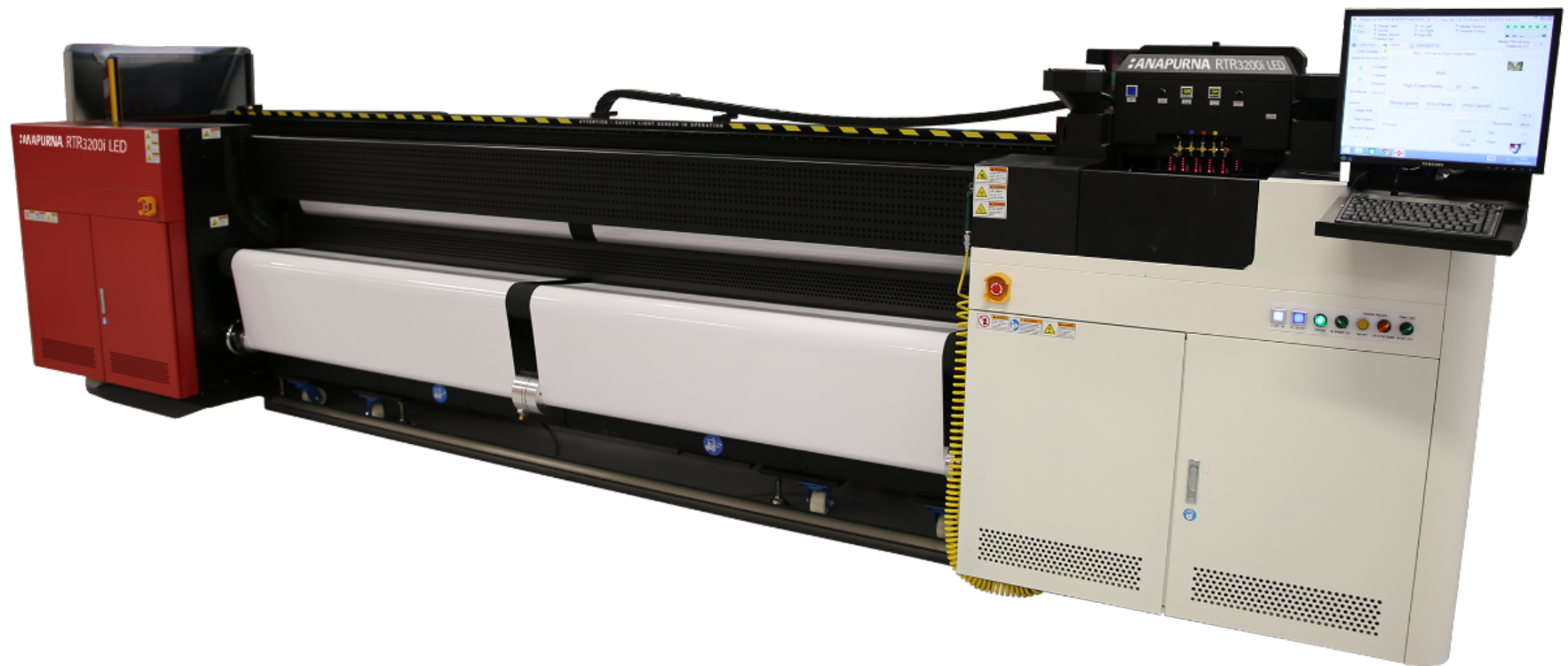# Anapurna RTR3200i LED

The Anapurna RTR3200i LED is a heavy-duty 3.2 meter-wide roll-to-roll UV LED-inkjet printer. It prints top-quality indoor and outdoor banners and billboards at speeds up to 127 m²/hr.

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Anapurna RTR3200i LED

Overview

Your day-to-day roll-to-roll sign & display jobs? Hand them over to your very solid Anapurna RTR3200i LED.

This dedicated roll-to-roll UV LED-curable printer, which comes in a six color and a four color plus white version, handles a broad scope of flexible media for indoor and outdoor applications. As the Anapurna RTR3200i LED is equipped with UV LED lamps, it enables you to print on a wide media mix and to save energy, costs and time.

The four color plus white version stands out by its ability to print white in different modes, improving the opacity of the printed material as well as increasing color contrast and readability.

The Anapurna RTR3200i LED can also handle dual-roll printing. This option enables you to double your productivity when printing on smaller media—whether it is paper, vinyl or polyester.

Download

- Anapurna RTR3200i LED brochure (English)

Key Benefits

- High productivity thanks to the latest generation of print heads
- Optional dual-roll printing to heighten productivity
- Printing with superior quality on a wide range of roll media
- UV LED ink for fast drying, material versatility and a very wide color gamut
- White printing to improve opacity, color contrast and readability
- Multi-layer printing
- Mesh option

Features

Latest generation of fast-firing print heads

Incorporating the latest generation of fast-firing KM 1024i print heads, the Anapurna RTR3200i LED offers a high throughput while also achieving a high level of print quality. You will be able to maintain a high production on all substrates, satisfying your most demanding customers.

Solid design for great accuracy

Thanks to a reinforced belt drive and shuttle beam, the Anapurna RTR3200i LED printer brings 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 Anapurna H2500i LED is fitted with air-cooled 16 Watt/cm² 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.

Flawless media handling

Media loading is smooth and accurate thanks to automated features such as media-tension rollers (which keep media stretched at all times) and head height adjustment. The automatically controlled vacuum system, consisting of four zones, delivers an equal vacuum during the printing process. This ensures flawless media transport, giving accurate print results at all times. Switch on the zone you need in case of small roll printing. In case of dual-roll printing, each roll gets the right vacuum applied.

White printing to improve opacity, color contrast and readability

The Anapurna RTR3200i LED plus white operates with Agfa Graphics' latest generation of white inks, which are highly opaque. This means you obtain a qualitative white output with low ink consumption on colored or dark substrates, as well as on transparent material for backlit or backlit/frontlit applications. Alternatively, you can use white simply as a spot color. Also, the Anapurna RTR3200i LED plus white has the possibility to run pre- and/or post-white concurrently in one production run, greatly expanding application possibilities.

Multi-layer printing

The multi-layer printing feature enables different printing modes:

- Pre-white: printing white underneath color
- Post-white: printing white on top of color
- Sandwich white: color-white-color
- High-density color: printing one color on top of another color for backlit applications

Print heads can be divided in several parts, and each part can be assigned to a different or identical image, to be used for single-run high density. This means that the Anapurna RTR3200i LED allows printing companies to print up to three layers at once, in perfect registration, in one pass. Images come alive. Backlit prints are enhanced when using high-density white on one or more layers.

Dual-roll printing to increase productivity

The dual-roll option makes it possible to install two 60 inch rolls next to each other to run two jobs at the same time. This enables you to use the printer efficiently on smaller media.

Mesh option

The mesh option allows for printing on mesh without liner, which represents an important cost benefit and broadens the printer's application scope.

Optional media loader for heavier rolls

A specially designed trolley to handle heavy rolls up to 150 kg will save you a lot of trouble. Installing these heavy rolls can now be done smoothly.

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
- 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

Agfa Graphics' large gamut of inks enables printing on a broad range of flexible materials, including top such as fabric, canvas, self-adhesive vinyl, plastic film, paper and polyester including 100% PE eco-friendly material. The Anapurna RTR3200i LED has an excellent track record with outdoor applications such as billboards and building wraps.

Technical Specs

Models	Anapurna RTR3200i LED
Media & Printing Specifications	
Media width	61-320 cm (24"-126") Optional dual-roll kit available: support for 2 rolls of 152.4 cm (60")
Print width	Up to 320 cm Optional dual-roll kit available: support for 2 rolls of 152.4 cm (60")
Borderless printing with mesh kit	Up to 320 cm media width (126")
Media thickness	Minimum 0.2 mm
Maximum roll weight (including shaft)	100 kg (150kg)
Maximum roll diameter	36 cm (14.17")
Productivity	
Draft mode	Up to 127 m²/h (Up to 1367 ft²)
Express mode	76-85 m²/h (818-915 ft²)
Production mode	37-65 m²/h (398-700 ft²)
Standard mode	22-33 m²/h (237-355 ft²)
High-quality mode	16-18 m²/h (172-194 ft²)
High-definition	Up to 9 m²/h (Up to 97 ft²) NA

Backlit	4-9 m²/h (43-97 ft²)
Print Heads & Inks	
Print heads	6 Konica-Minolta KM1024i high-frequency print heads: 1024 nozzles/head, 12 pl (colors)
Inks	6 Anapurna 1500 RTR LED-curable inks (CMYKLcLm)
Text Quality	
Text quality positive	4 point
Text quality negative	6 point
Engine Weight & Dimensions	
Dimensions (w x h x d)	5960 x 1650 x 1980 cm
Weight	3500 kg
Floor space	7.7 x 3 m
Electricity	
Europe	380 V 3-phase star connection with neutral wire (3 x 30A) 50/60 Hz
USA	230 V 3-phase delta connection without neutral wire (3 x 30A) 50/60 Hz
System Integration RIP / Workflow software	
	Integrated production solution with Asanti; other RIPs on request
	Anapurna RTR3200i LED media/ink profiles available on Asanti
Safety approvals	

CE, FCC, ROHS

Models	Anapurna RTR3200i LED + white
Media & Printing Specifications	
Media width	61-320 cm (24"-126") Optional dual-roll kit available: support for 2 rolls of 152.4 cm (60")
Print width	Up to 320 cm Optional dual-roll kit available: support for 2 rolls of 152.4 cm (60")
Borderless printing with mesh kit	Up to 320 cm media width (126")
Media thickness	Minimum 0.2 mm
Maximum roll weight (including shaft)	100 kg (150kg)
Maximum roll diameter	36 cm (14.17")
Productivity	
Draft mode	Up to 127 m²/h (Up to 1367 ft²)
Express mode	76-85 m²/h (818-915 ft²)
Production mode	37-65 m²/h (398-700 ft²)
Standard mode	22-33 m²/h (237-355 ft²)

High-quality mode	16-18 m²/h (172-194 ft²)
High-definition	NA
Backlit	4-9 m²/h (43-97 ft²)
Print Heads & Inks	
Print heads	4 Konica-Minolta KM1024i high-frequency print heads: 1024 nozzles/head with a droplet volume of 12 pl (color) and 30 pl (white)
Inks	4 Anapurna 1500 RTR LED-curable inks (CMYK) 1 Anapurna White 1040 LED-curable ink
Text Quality	
Text quality positive	4 point
Text quality negative	6 point
Engine Weight & Dimensions	
Dimensions (w x h x d)	5960 x 1650 x 1980 cm
Weight	3500 kg
Floor space	7.7 x 3 m
Electricity	
Europe	380 V 3-phase star connection with neutral wire (3 x 30A) 50/60 Hz
USA	230 V 3-phase delta connection without neutral wire (3 x 30A) 50/60 Hz
System Integration RIP / Workflow software	

	Integrated production solution with Asanti; other RIPs on request
	Anapurna RTR3200i LED W media/ink profiles available on Asanti

Safety approvals
CE, FCC, ROHS

Availability

North America

Available in this region

South America

Available in this region

Europe

Available in this region

Asia

Available in this region

Africa

Available in this region

Oceania

Available in this region