Outdoor communication - backlit

:Anapurna M3200i RTR

The Anapurna M3200i RTR is a 3.2 m wide high-quality roll-to-roll UV inkjet printer that produces indoor and outdoor applications at a productivity of up to 123 m²/hr.

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Anapurna M3200i RTR

Outdoor communication - mesh

The Anapurna M3200i RTR is a heavy-duty production tool for a broad scope of flexible media for indoor and outdoor applications. It is the ideal solution for sign & display makers, printing shops or commercial printers that want to produce high-quality signage in 4 or 6 colors with a maximum resolution of 1440 dpi. The Anapurna M3200i RTR is capable of dual-roll printing and printing on mesh without liner. Printing on a variety of flexible and lower cost substrates, while using less ink and energy for a low total cost of ownership, the Anapurna M3200i RTR helps to increase your profit.

Dedicated roll-to-roll printer
The Anapurna M3200i RTR is specifically built for heavy 24/7 workloads. It will get you large-format banners up to 3.2 m wide.

Print quality
The six KM1024i 12 picolitre heads guarantee printing of good solids, fine text reproduction of up to 6 pt, good tonal rendering and low ink consumption. Next to the 6 (CMYK Lc Lm) print heads this system features a robust and industrial engineered concept, fit for sustained higher workloads. The 1024 nozzles produce prints up to 123 m^2/h.

Ink to print
Agfa Graphics' Anapurna UV-curable inks provide a large color gamut, high color vibrancy and, thanks to good ink adhesion, high image longevity and outdoor resistance. Anapurna inks allow instant curing, making prints ready to handle immediately after leaving the engine.

Thin ink layer technology
Thanks to the 'thin ink layer technology', Agfa Graphics' large gamut of UV-curable inks enable printing on a broad range of flexible materials, including top quality banners, self-adhesive vinyls, and front- and back-lit graphics. These inks deliver the highest quality prints with the lowest ink consumption per square meter in the industry.

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.

Outdoor communication - banner

Art reproduction - paper

Outdoor communication - canvas

Asanti software optimizes productivity and streamlines your workflow
Asanti workflow automation increases productivity, removes bottlenecks, lowers waste and leads to overall greater efficiencies. Asanti removes the hit-and-miss elements of print production so that you can integrate all of your pre-press elements and the result is a fully accountable end-to-end quality management solution.

Banners and billboards
Anapurna inks are ideal for a wide variety of roll materials such as fabric, canvas, vinyl, plastic film, paper and polyester including 100% PE eco-friendly opening many new markets. The Anapurna M3200i RTR with its maximized speed and cost effectiveness is the best digital roll-to-roll solution for outdoor applications in terms of speed and quality for billboards and building wraps.

Shuttle safety sensors
The Anapurna M3200i RTR incorporates a set of shuttle safety sensors to prevent print heads from touching the substrate. This will avoid any possible damage to the precious print heads.

Flawless media handling and perfect droplet control
Media loading is very straightforward with automated features such as the media-tension rollers (which keep media stretched at all times) and head height adjustment. An ionizer bar sees to it that there are no electro-static loads on the substrate, ensuring optimum ink droplet control and therefore delivering the highest print quality.

User-friendly operating system
All settings are conveniently arranged in a powerful straightforward graphic user interface on a swivel-arm mounted monitor. Printed files are being spooled, viewed and stored by an internal bitmap server with a HD of 1 TB for ripped images for fast spooling and secure transfer of big amount of data.

Dual-roll printing option
On this engine it is 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.

Optional trolley 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.

High-tech vacuum system in two zones
A vacuum system in two zones adds to the overall efficiency of the printing system. 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.

In-house decoration - paper

New ink container system for spotless refilling of 6 colors & cleaning fluid.

Anapurna M3200i RTR

ENGINE FEATURES

- Reinforced beam
- 4-zone vacuum table for flawless media transport and accurate printing
- 1,5 kW inverter driven ring-blower for strong vacuum, situated in the engine for less noise
- Accurate media transport/feed
- Powerful fastscan motor
- Automatic control of vacuum strength
- Ionization bar removes electrostatic loads on media
- Shuttle safety sensors on each side of the carriage
- Extended basic frame, to support ring-blower
- Network and USB-3 (2) connection
- On-board controller with user-friendly interface touchscreen and keyboard on swivel arm

APPLICATIONS

- Banners, posters, exhibition graphics, POP, mock-ups, backlit, frontlit, self-adhesives (labels)

SUBSTRATE FLEXIBILITY

- Max media width of 320 cm
- Min media width of 60 cm
- Up to 320 cm print width
- Min media thickness of 0.2 mm
- Roll-to-roll
  Max roll weight: 150 kg
  Max roll diameter: 35 cm
- Optional dual-roll kit available:
  support for 2 rolls of 152.4 cm
- Optional mesh media kit available

TEXT QUALITY

- Positive: 4 point
- Negative: 6 point

PRODUCTIVITY

- Draft: 123 m²/hr
- Express: 75 m²/hr
- Production: 45 m²/hr
- Standard: 33 m²/hr
- High quality: 29 m²/hr
- High definition: 18 m²/hr
- Backlit: 9 m²/hr

INKS

6 Anapurna RTR UV curable inks (CMYKLcLm)

HEADS

- 6 Konica-Minolta KM1024i high frequency print heads: 1024 nozzles/head with a droplet volume of 12pl • (4-color version)
  4 Konica-Minolta KM1024i high-frequency print heads: 1024 nozzles/head with a droplet volume of 12pl

DIMENSIONS

5960 mm (W) x 1650 mm (H) x 1980 mm (D)

WEIGHT

3500 kg

ELECTRICITY

- 380 V 3-phase star connection with Neutral wire (3x 48A*) 50/60Hz
- 230V 3-phase delta connection without Neutral wire (3x 40A*) 50/60Hz

SYSTEM INTEGRATION RIP

- Integrated production solution with Asanti, other RIPs on request
- Ready to use Anapurna M3200i RTR media/ink profiles available on Asanti

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