:ANAPURNA M1600

:Anapurna M1600 is a 1.6 meter wide productive entry level UV-curable inkjet printer with white printing standard installed.

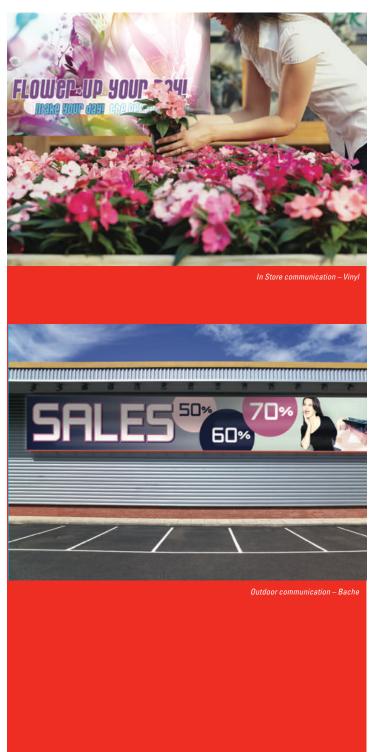:Anapurna M1600 is suitable for graphic screen printers and sign shops.
White ink is ideal to print on on transparent material for backlit applications and coloured or dark substrates. The white ink function creates new possibilities and opportunities.
It can be used as a spot colour and thanks to the Anapurna M1600 design the pre- and post white printing can be done in one production run.

Top class productivity is ensured with print output at 46 m²/hr (500 ft²/hr). This printer uses :Anapurna UV inks for faster drying, material versatility and a wider colour gamut.

:Anapurna M1600 will make your wide format prints more exciting. Your inkjet prints will grab your audience's attention with that extra touch of white.

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In Store communication – Vinyl

Outdoor communication – Bache

Top quality WIDE FORMAT inkjet printing at peak performance for indoor and outdoor applications.
:Anapurna M1600 is a heavy-duty, turnkey and complete industrial UV inkjet system, designed to produce top quality wide format output in any 'print for pay' industry environment, on a wide range of rigid and roll-to-roll media. All necessary components including ring-blowers, shuttle safety sensors, media transport and roll up systems which make the :Anapurna M1600 a guarantee for peak production are incorporated in the robustly engineered industrial inkjet design.

Speed is key.
The Konica Minolta 1024 print heads on the :Anapurna M1600 printer ensure an output up to 46 m²/hr. (500 ft²/hr)
You will be able to maintain a high print production on all your substrates, satisfying your most demanding customers.

White is beautiful.
The :Anapurna M1600 has a pre- and post-white printing function.
White ink is ideal to print on coloured or dark substrates.
The white ink function creates new possibilities for printing on transparent material for backlit or backlit/frontlit applications or printing white as a spot colour. It can even be used as a spot colour to bring in to focus certain parts of an image. You might even consider printing images on dark substrates using white ink only.
The :Anapurna M1600 has the possibility to run pre- or post-white in one production run, expanding the application possibilities a great deal.

Stand out and let :Anapurna M1600 differentiate your printed communication.

:Anapurna M1600 white is reliable.
:Anapurna M1600 has a fully separated white ink management system on board. It has a separate circulation system, a separate under-pressure-regulation ánd a separate cleaning circuit.
Moreover the white ink tank is equipped with a stirring mechanism to keep the ink properly mixed at all times.

Print quality. And it shows!
The Konica Minolta 12 picolitre print heads guarantee printing of good solids, fine text reproduction of up to 6 pt, good tonal rendering and low ink consumption.
Next to the CMYK print heads this system features a robust and industrial engineered concept, fit for sustained higher work loads.

The 1024 nozzles produce top quality prints at 720 x 1440 dpi on uncoated rigid media, such as corrugated boards, rigid plastics, exhibition panels,stage graphics and advertising panels of up to 4,5 cm thick, as well as roll media such as film,vinyl and paper, canvas and banners.

In Store communication – Forex

Enhanced operator control panel

A comprehensive control panel allows the operator to run this machine very easily. The touch screen control panel runs on a windows driven platform. It gives the status of the most important components of this printer. Printer quality settings and the printing operation itself are executed from this panel.

Automation for an easy life.

- :Anapurna M1600's automatic vacuum system delivers an equal vacuum throughout the whole printing process, whether printing roll or rigid materials. This ensures flawless media transport, giving accurate print results at all times!

- The ring-blower driving the vacuum system is built-in in the printer, reducing the noise to a minimum for even more user convenience.

- :Anapurna M1600 incorporates a set of shuttle safety sensors to prevent printheads from touching the substrate.

- Media loading is very straightforward with automated features such as the media registration bar and head height adjustment.

- Multiple board or borderless printing maximises the productivity.

- Two ionizer bars (on the shuttle) see to it that there are no electro-static loads on the substrate, ensuring optimum ink droplet control and therefore delivering the highest print quality.

Ink to print.

- The "Agfa-made" :Anapurna UV-curable inks provide a large colour gamut, high colour vibrancy and, thanks to good ink adhesion, high image longevity and outdoor resistance.
- Maintenance of the :Anapurna M1600 is easy. During production the ink levels are monitored by the automatic ink refill system.
- :Anapurna inks allow instant curing, making prints ready to handle immediately after leaving the engine.

Anything goes!

Switching between rigid and roll media is instant. Therefore :Anapurna M1600 delivers exceptional print quality on a wide variety of indoor and outdoor media on uncoated rigid media, such as corrugated boards, rigid plastics, exhibition panels, stage graphics and advertising panels up to 4,5 cm thick, as well as roll media such as film, vinyl and paper, canvas and banners.

:Anapurna M1600 is the ideal UV - printer for the Sign, High Quality Poster and Graphic Screen printing industry.

:Anapurna M1600 in a nutshell

- CMYK
- Pre- and post white
- Speeds up to 46 m²/hr. (500 ft²/hr)
- Max. print size
  - up to 1.56 x 3.2m on rigids (board itself can be 1.58 wide)
  - up to 1.56 on wide roll substrates (handles rolls up to 1.58)
- Substrates up to 4,5 cm (1.77 in) thick.
- Enhanced operator control panel
- Multiple board printing
- Borderless printing
- Shuttle safety sensors
- For Digital Printers, Poster printers and Mid-Size Graphic Screen Printers

An automatic vacuum system delivers an equal vacuum throughout the whole printing process.

Shuttle safety sensors prevent printheads from touching the substrate. The ionizer bar avoids electro static loads. Both are located on the shuttle.

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POSITIONING

- Perfect fit for Digital Printers, Poster printers and Mid-Size Graphic Screen printers
- Heavy-duty, turnkey and complete industrial UV inkjet system
- Excellent solids and signs in 8 pass printing
- Quality & creativity enhancement through spot and/ or overall white in pre- or post printing

DESIGN CONCEPT

- Robustly Engineered – Professional – Hybrid UV Wide Format Printer
- Includes all necessary components like the vacuum ring-blower, shuttle safety sensors, ionizer bars, media transport and roll up systems for guaranteed peak production

ENGINE FEATURES

- Reinforced beam
- Automated Media Positioning bar - registration of rigids
- Divided vacuum table, 2 parts
- 1,5kW ring blower for strong vacuum situated in the engine for less noise
- Accurate Media transport/feed
- Powerfull fastcan motor
- Automatic control of vacuum strength (inverter based)
- Ionizer bars are on the shuttle
- Shuttle safety sensors on each side of the carriage
- Extended basic frame, to support ring blower
- Black coloured media transport belt
- Network connection
- IR reflecting glasses: less heat generating towards media

APPLICATIONS

- Banners, Posters, Exhibition graphics, POP, Mock-ups, Backlit, Frontlit, Self adhesives (Labels)
- Niche application: DVD printing, wood, Art reproductions, mirrors, plexi-glass, personalised object printing (mouse mats), …
- Party gadgets (beer coasters, …)
- Architectural and Interior decoration, Ceramics printing

SUBSTRATE FLEXIBILITY

- Up to 158 cm media width
- Up to 156 cm print width
- Borderless printing Up to 152 cm media width
- Multiple board printing Min.size: A3, landscape
- Media thickness up to 45 mm
- Media weight up to 10kg/m²
- Two rigid tables (rear & front) + 2 media extension tables (max. length 3.2 m)
- Roll-to-Roll: Max. roll weight: 50 kg
                       Max. roll diameter: 36 cm

COLOR GAMUT

- Capable of reproducing ISO 12647 in 8 pass and 4 pass DS (double strike)

TEXT QUALITY

- Positive: 4 point
- Negative: 6 point

IMAGE QUALITY

- 2 pass bi-directional/single strike: express mode. Draft prints, line-art or text applications.
- 2 pass bi-directional/double strike: production mode.
- 4 pass uni-directional single strike or bi-directional double strike: poster quality mode for images and text. No imaging artifacts visible at 1.5 m viewing distance
- 8 pass uni-directional: High quality poster mode for vector, signs, solids, images and text
- Uniform gloss

BORDERLESS PRINTING AND DUAL BOARD PRINTING

INKS

5 :Anapurna UV curable inks (CMYK + white) + cleaning solution

PRINT HEADS

- 4 Konica-Minolta CMYK heads 1024 nozzles/head with a droplet of 12pl
  2 Konica-Minolta White heads 1024 nozzles/head with a droplet of 42pl

PRODUCTIVITY

- Express Mode   46 m²/h   500 sqf/h
     Fastest printing mode for draft & layout jobs.
- Production Mode   28 m²/h   305 sqf/h
     High productivity at an acceptable quality level.
- Poster Mode   14 m²/h   150 sqf/h
     Best balance between speed & quality.
- High Quality Poster Mode   7 m²/h   75 sqf/h
     For that extra bit of quality.

ENGINE DIMENSIONS

3720 (w) x 1600 (h) x 1540 (D) mm

WEIGHT

1300 KG

ELECTRICITY

- Europe: 380V - 415 V 3-phase star connection with Neutral wire (3x 30A*)
- US: 208V - 240V 3-phase delta connection without Neutral wire (3x 30A*)

UV-CURING

- Lamps are gradually controlled in steps of 10%
- Use of IR reflecting glasses to limit the heat radiation of the lamps & the deformation of the substrates

NETWORK

- Ethernet / connectors: RJ45 UTP, 1GBaseT

SYSTEM INTEGRATION

RIP

- Wasatch SoftRIP Agfa Edition
- Ready to use :Anapurna M1600 media/ink profiles available.

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