



# Agfa Anapurna M2540i FB

The Anapurna M2540i FB is a 6-color plus white high-speed, UV-curable flatbed inkjet printer which prints at speeds up to 93 m<sup>2</sup>/h.



STAY AHEAD. WITH AGFA GRAPHICS.

# Anapurna M2540i FB True flatbed

## High productivity

The Anapurna M2540i FB is a high-speed UV-curable inkjet system on a moving gantry flatbed. It is an ideal engine for both step-and-repeat work and for printing multiple jobs on differently sized media. Borderless printing avoids an extra finishing step, saving time and money. Thanks to the multilayer printing feature the Anapurna M2540i FB prints several color and white ink layers in one run.

## Excellent print quality

Anapurna M2540i FB can print on practically any rigid and sheet material. It delivers exceptional print quality on a wide variety of indoor and outdoor media such as corrugated boards, plastics, plexiglass, mirrors, exhibition panels, wood, aluminum, and MDF. White ink and six colors with 13 pl print heads allow it to deliver prints that will give you and your customers a competitive advantage. The high-density color printing function makes prints even brighter and more intense.

The **vacuum bed** ensures extremely accurate and reliable dot placement. It contains almost 11.000 vacuum holes and is divided in 2 separately controllable table zones with each 4 compartments, so that you can print differently sized media without having to tape off the whole vacuum bed. This design also allows you to use separate parts of the bed for different jobs in the same print run and still maintain a perfect vacuum. The vacuum can be reversed to aid lifting of large substrates after printing.



## SIX COLORS AND WHITE FOR DEMANDING JOBS

Anapurna UV inks (CMYK Lc Lm + white) dry fast and produce a wide color gamut, enabling the use of a wide variety of materials. Their great adhesion properties and high durability result in long-lasting images that are resistant to outdoor conditions, including temperature or humidity fluctuations.

White ink is ideal to print on darker substrates or transparent media, as well as on backlit and frontlit materials. Due to the accuracy of the flatbed, pre-, post- and sandwich white can be printed concurrently. When used as a spot color, it can highlight certain areas of an image. The Anapurna M2540i FB uses the latest generation of Agfa-made white inks, offering high opacity at low ink coverage due to its large amount of pigments. Characterized by low sedimentation, the new white ink also avoids clogging of the print heads. The separate white ink circulation system automatically stirs the ink at regular intervals to ensure that it is always in the best possible print condition.



The **advanced GUI design** fully supports the white application features.

# tbled. True quality. True value.



Automated **retractable media register pins** (7 horizontal / 2 vertical) perfectly position the substrate to facilitate **accurate double-sided printing**.

An **ionization bar** mounted on each side of the carriage removes electrostatic loads on the substrate, ensuring optimum ink droplet control.

The **welded steel beam** with its aligned rails, encoder strip, linear motors and hydraulic dampers allows flawless movement and perfect positioning of the print head shuttle.



A set of **shuttle safety sensors** on either side of the print carriage protects the valuable print heads by preventing them from hitting the media in case of irregularities.

A **head capping station** prevents the print heads from clogging when the printer stands idle for a longer period. After restarting and warming up, printing can immediately resume.



A handy **tray** stores the ink. Ink bottles are easily accessible and ink levels are monitored closely.

**UNLIMITED APPLICATIONS**  
 With the Anapurna M2540i FB you can attract new business with a wide variety of applications: banners, posters, signage, displays, exhibition graphics, POP & POS, mock-ups, backlits, frontlits, self-adhesives (labels). Also niche applications: DVDs, wood, art reproductions, personalized objects, party gadgets, as well as architectural and interior decoration, ceramics... Because any material up to 4.5 cm thick can be printed with the Anapurna M2540i FB, the possibilities are endless.



## •Anapurna M2540i FB

### Media & Printing Specifications

#### Rigid media

Maximum width	2.54 m (8.33 ft)
Maximum length	1.54 m (5.05 ft)
Minimum size	DIN A4 (11.7 x 8.26")
Thickness	Min. 0.2 mm (0.008") - max. 45 mm (1.77")
Maximum weight	100 kg on printing table, evenly distributed
Borderless printing	Up to 2.535 m x 1.535 m (8.32 ft x 5.03 ft)

#### Flexible media

Maximum width	2.515 m (8.25 ft)
Maximum length	1.505 m (4.94 ft)
Minimum size	DIN A4 (11.7 x 8.26")
Thickness	Min. 0.2 mm (0.008")
Borderless printing	Up to 2.535 m x 1.535 m (8.32 ft x 5.03 ft)

#### Productivity

Draft mode	93 m <sup>2</sup> /hr (1001 ft <sup>2</sup> /hr)
Express mode	58 m <sup>2</sup> /hr (624 ft <sup>2</sup> /hr)
Production mode	32 m <sup>2</sup> /hr (344 ft <sup>2</sup> /hr)
Standard mode	26 m <sup>2</sup> /hr (280 ft <sup>2</sup> /hr)
High-quality mode	18 m <sup>2</sup> /hr (194 ft <sup>2</sup> /hr)
High-definition mode	9 m <sup>2</sup> /hr (97 ft <sup>2</sup> /hr)

#### Media

Media types	Reinforced vinyl, pressure-sensitive vinyl, canvas, fabrics, foam board, corrugated board, lenticular, tile, drywall, glass, sheet metal, paper and more
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#### Print Heads & Inks

Print heads	6 Konica-Minolta KM1024i high-frequency color print heads: 1024 nozzles/head with a droplet volume of 13 pl 2 Konica-Minolta KM1024i high-frequency white print heads: 1024 nozzles/head with a droplet volume of 30pl
Inks	6 Anapurna UV-curable inks (CMYKLCm) 1 Anapurna white ink

#### Image & Text Quality

Prints high quality	Up to 540 x 1080 dpi
Text quality	Positive 4 point, negative 6 point

#### Engine Weight & Dimensions

Flatbed printer dimensions (W x H x L)	5.250 m x 1.7 m x 2.9 m (17.22 ft x 5.57 ft x 9.51 ft)
Flatbed printer weight	2080 kg (4585 lb)

#### Electricity & Compressed Air

Electricity	380V - 415 V 3-phase star connection with Neutral wire (3x 30A*) 208V - 240V 3 phase, no neutral with ground (3x 35A*)
Compressed air	Min 6 bar

#### System Integration RIP / Workflow software

Asanti, third-party rips	
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