

Anapura M2540i FB

The Anapura M2540i FB is a 6-color plus white high-speed, UV-curable flatbed inkjet printer which prints at speeds up to 93 m²/h.



Overview

The Anapura 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 Anapura M2540i FB prints several color and white ink layers in one run.

This engine delivers high-quality prints on practically any rigid and sheet material. 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.

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<https://www.agfagraphics.com/global/us/product-finder/anapura-m2540i-fb.html>



Key Benefits

- True flatbed with moving gantry
- High productivity
- Excellent print quality on sheets and rigids
- Six colors plus white (pre-, post and sandwich)
- Pin-point precision



Features

Solid frame

The Anapura M2540i FB's 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.

Perfect vacuum

The engine's vacuum bed design ensures extremely accurate and reliable dot placement. The bed contains almost 11.000 vacuum holes and is divided in 2 separately controllable table zones with each 4 vacuum 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.

Retractable media register pins

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

Ionization bar

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

Shuttle safety sensors

Although the revolutionary vacuum system holds the media very straight, 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.

Welded steel beam

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.

Advanced GUI design

The advanced GUI design fully supports the different white ink application features.

Applications

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 and uncoated rigid media such as corrugated boards, rigid plastics, plexiglass, mirrors, exhibition panels, wood, aluminum, MDF, stage graphics and advertising panels.

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.

Inks

Wide color gamut, high durability

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. Agfa's durable inks let you cut prints without damaging the image, giving you a clean-cut print every time.

White inks with high opacity and low ink coverage

White ink is ideal to print on darker substrates or transparent media, as well as on backlit and frontlit materials. When used as a spot color, it can highlight certain areas of an image. Due to the accuracy of the flatbed, pre-, post-white and sandwich white can be printed concurrently. 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.

Technical Specs

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	100kg 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 ² /hr (1001 ft ² /hr)
Express mode	58 m ² /hr (624 ft ² /hr)
Production mode	32 m ² /hr (344 ft ² /hr)
Standard mode	26 m ² /hr (280 ft ² /hr)
High-quality mode	18 m ² /hr (194 ft ² /hr)
High-definition mode	9 m ² /hr (97 ft ² /hr)
Media	
Media types	Reinforced vinyl, pressure-sensitive vinyl, canvas, fabrics, foam board, corrugated board, lenticular, tile, drywall, glass, sheet metal, paper and more
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 Anapura UV-curable inks (CMYKLcLm) 1 Anapura 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	<ul style="list-style-type: none">• 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	



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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Jeti Tauro and Jeti Mira take the floor in a galaxy (Atlanta) not so far away

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Asanti

Asanti offers an automated workflow for the wide-format printer market. It streamlines your processes and ensures consistent results.

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