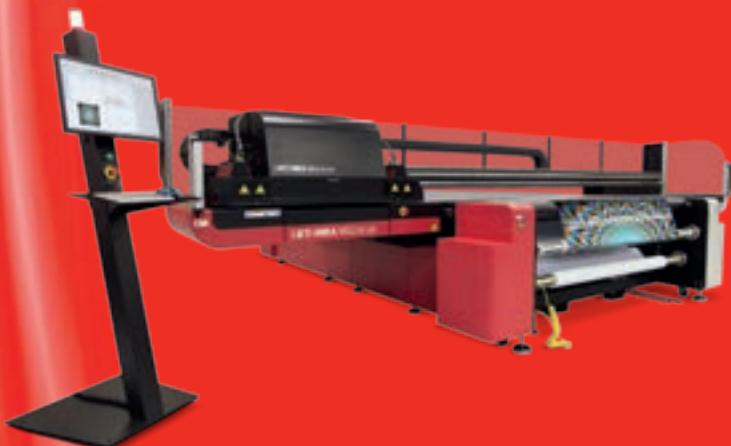




# Jeti Mira LED

Award-winning flatbed printer that relies on UV LED curing to offer you impressive print quality on a wide variety of media. Accelerate the printing process to 231 m<sup>2</sup>/hr, use the dockable roll-to-roll extension or opt for 3D Lens Technology printing whenever you need to.



UV LED

AGFA *Agfa*

STAY AHEAD. WITH AGFA GRAPHICS.

# A versatile printing solution

## Jeti Mira LED

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The powerful and award-winning Jeti Mira is a moving-gantry flatbed printer specially designed to offer you optimal flexibility. Prints of up to 2.69 m wide, two table versions, LED curing and 3D Lens Technology – the latest Jeti Mira has it all.

Driven by Asanti workflow technology, integrable with cloud service for data exchange PrintSphere and optimized to work with Agfa's high-pigmented UV-inks, the Jeti Mira takes on any challenge. Generating high-quality, six color + white prints, it perfectly meets the dynamic demands of mid- to high-end sign and display printers.

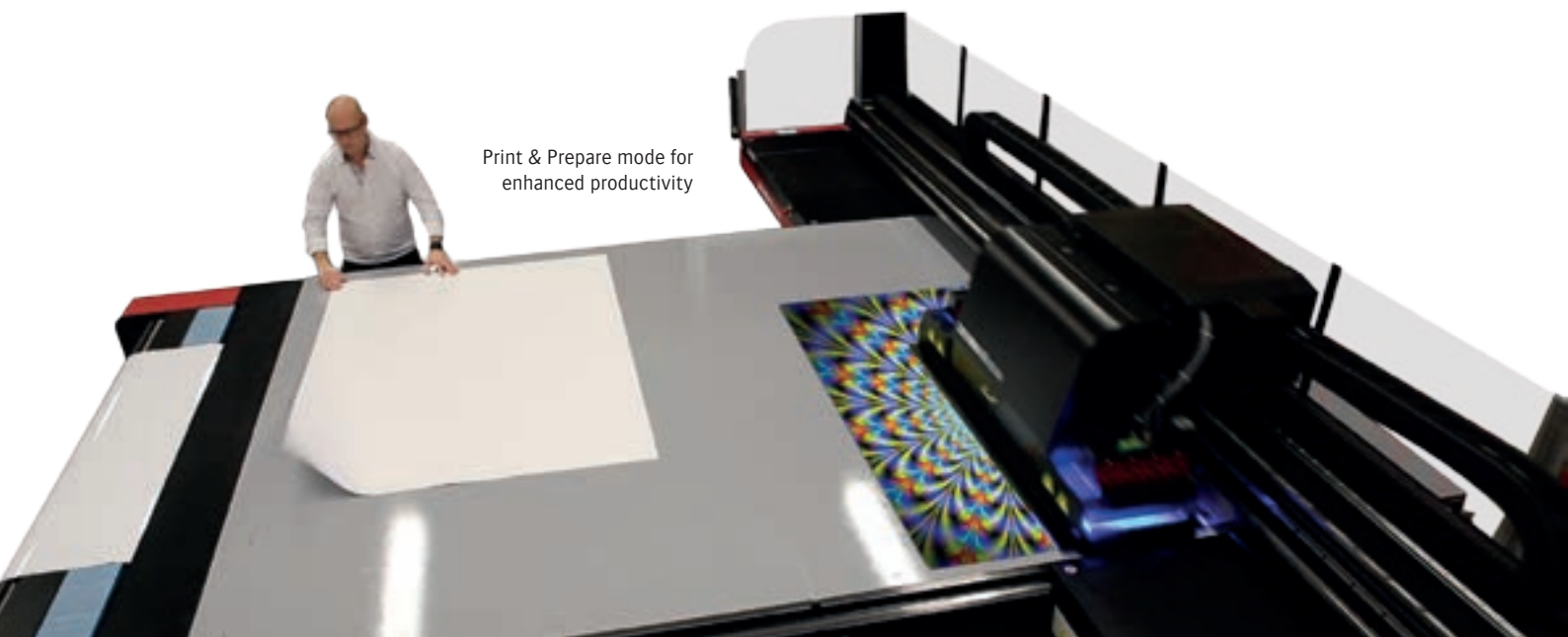


## A true flatbed

The Jeti Mira is a highly reliable and ruggedly built flatbed printer with a roll-to-roll option. Available with a table depth of either 1.6 m or 3.2 m and a table width of 2.69 m, it is suited for even the broadest of jobs. Thanks to its precise moving-gantry architecture, the engine offers you optimal flexibility and high-quality printing, both for rigid and flexible substrates.

With two rows of fast-firing Ricoh MH5420 (Gen5) inkjet print heads, the speedy flatbed printer offers you outstanding productivity. In addition, the latest Jeti Mira update includes a shift to UV LED curing.

In-house decoration



Print & Prepare mode for enhanced productivity



## UV LED PRINT TECHNOLOGY

Equipped with UV LED lamps for the curing process, the Jeti Mira comes with a number of economical, ecological and business-generating benefits:

- LEDs are cool to the touch and have minimal heat output, which is why they allow for a broader scope of print applications. They enable you to print on heat-sensitive substrates such as thin slides, self-adhesive sheets or stretched PVC materials, for example. Limited heat generation also enables very stable calibration.
- LED lamps can be switched on and off instantly, without any degradation of intensity. That means there is no lamp warm-up time or delay for shutter motion. The result? Faster operations and higher productivity.
- LEDs last for 10,000 hours each – or, depending on the loading, as long as 5 years, or a printer's lifetime. They generate a consistent output throughout that period with no lamp change downtime or any consumable lamp costs.
- LEDs have a low energy consumption, which leads to significant power savings.
- As UV LED lamps don't contain mercury, there is no need for mercury disposal or any related costs. Also, LEDs don't produce ozone gas that needs to be extracted by ventilation.

## Roll-to-roll option

A versatile, powerful printing solution, the Jeti Mira features an optional roll-to-roll system that can be attached to the front of the flatbed table. It thus reduces the travel distance for print media, decreases the chance of skewing and improves accuracy on the y-axis.

Detach the module to keep it out of your way while performing rigid jobs, or use it to minimize waste production while printing on flexible media. The roll-to-roll system fits in perfectly with the moving gantry and can be upgraded with a built-in camera that automatically detects registration marks and ensures highly accurate front-to-back printing for both backlit and block-out applications.



Small object printing

## 'Print & Prepare' mode

Thanks to its 'Print & Prepare' mode, the Jeti Mira allows you to load one side of the table while the other side is printing. As such, this feature reduces downtime and increases your productivity. It's perfect for large boards, smaller boards and double-sided images.

Furthermore, operators working in 'Print & Prepare' mode can rely on a mirrored vacuum system and perfectly symmetrical table, with vacuum sections on both sides of the engine. Confusion over media layout? Not with the Jeti Mira.

## Up and running

Its robustness allows the Jeti Mira to meet the demands of a heavy workload. Its ink system – both print heads and ink reservoirs – are temperature-controlled, ensuring that your ink hits media at the ideal temperature and no blockages are formed. Thanks to the shuttle's accessibility, maintenance of the print heads has never been easier.

## Industry-leading print quality

As an Agfa Graphics solution, the Jeti Mira incorporates cutting-edge flatbed features and highly-advanced printing technology. It offers you all the advantages of the Jeti GUI system and uses Asanti technology to manage your workflow. It is also perfectly integrable with PrintSphere, Agfa's cloud solution for easy file exchange and production automation.

The award-winning Jeti Mira produces outstanding print quality in six colors and white. Varnish, primer and 3D Lens Technology printing are optional extras. The 7 pl-droplets produce stunning, detailed images and razor-sharp texts – even with type as small as 4 pt, both positive and negative. The printer's six color setup, further enhanced by intelligent gradient and masking technology, guarantees smooth tonal reproduction.

## Experienced worldwide service

Questions? Technical difficulties? Our team of experienced service technicians is here to assist. The Jeti Mira is even remotely accessible for support and maintenance.



In-store communications - backlit

# Impressive features.

**A TRUE MOVING-GANTRY FLATBED.** Sturdy, reliable and versatile.

**ROLL-TO-ROLL SYSTEM.** Optional for rolls up to 2.05 m (80") wide, directly attached to the front of the printer and with the gantry transported right over it. The small transport distance minimizes media waste and enhances accuracy.

**UV LED PRINT TECHNOLOGY.** Equipped with UV LED lamps for the curing process, which offer major advantages in terms of performance, ROI, costs, maintenance, the environment and the generation of extra business.

**'PRINT & PREPARE' MODE.** Load one side of the table while the other side is printing. As the printer's table is mirrored, it's easier for operators to position media correctly. Or opt for the highly advanced 'Full Print & Prepare' mode, which enables full use of the printing bed in color mode.

**AWARD-WINNING QUALITY.** Outstanding print quality in a six color setup (CMYKLCm), plus white and/or varnish. The 7 pL-droplets produce stunning, detailed images and razor-sharp texts at as small as 4-point type.

**ADVANCED GUI DESIGN.** The Agfa Graphics Jeti GUI system provides the ultimate functionality: cropping, rotating, auto-nesting, scaling, stepping, saving job parameters for reprints and more – all without needing to RIP the file again.

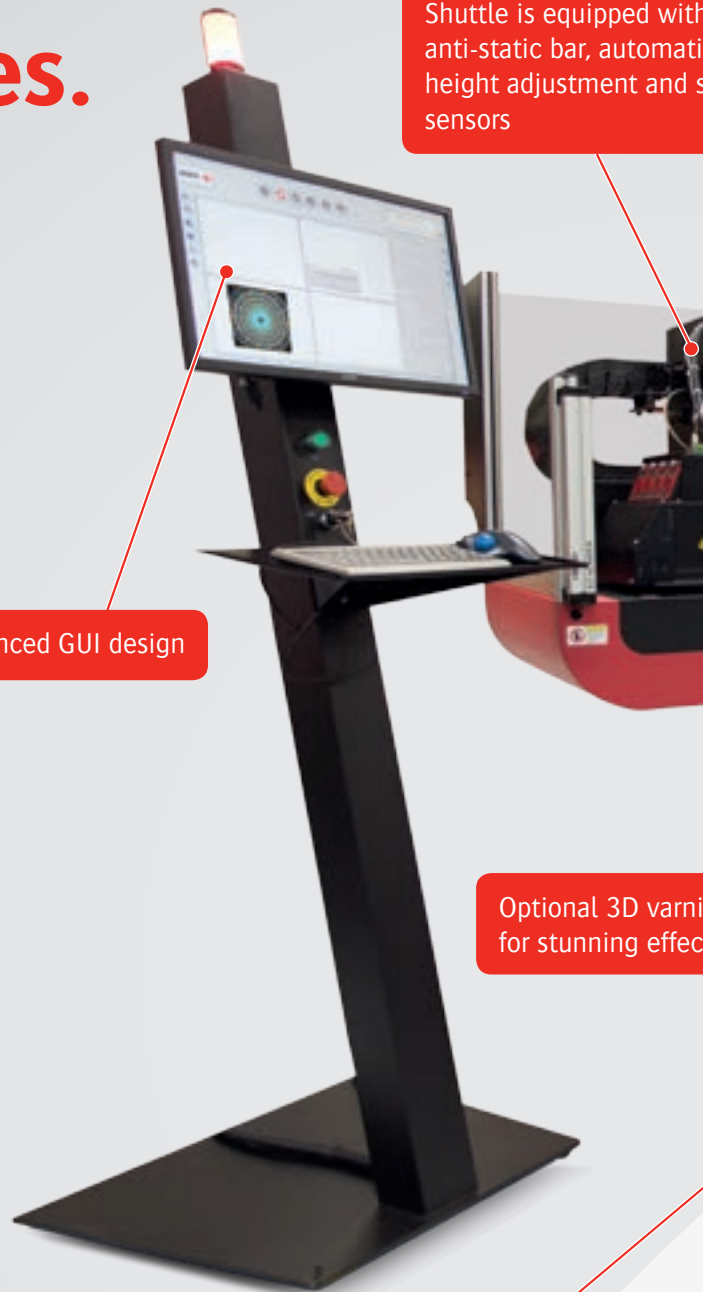
**POWERED BY ASANTI.** The Jeti Mira is by default delivered with Asanti Render installed and designed to integrate with the full Asanti workflow; integration with third-party RIPs is an option

**INTEGRABLE WITH PRINTSPHERE.** For production automation, easy file exchange and safe data storage.

**MULTIPLE MEDIA.** Print high-quality images on a wide variety of media in the blink of an eye.

**OPTIONAL BUILT-IN CAMERA.** To ensure perfect registration for backlit or block-out applications.

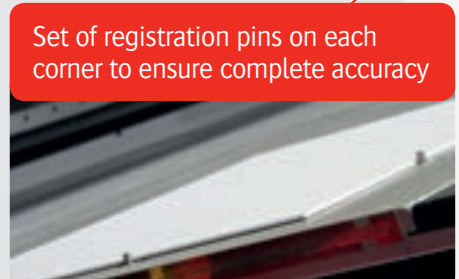
**SIX VACUUM ZONES.** No curling or skewing with the Jeti Mira – all media stay perfectly flat during printing. All six zones are automatically and independently controlled, and a reverse-vacuum assist option is available for easy post-print removal of substrates. A mirrored layout of the print table ensures perfect clarity when it comes to media positioning.



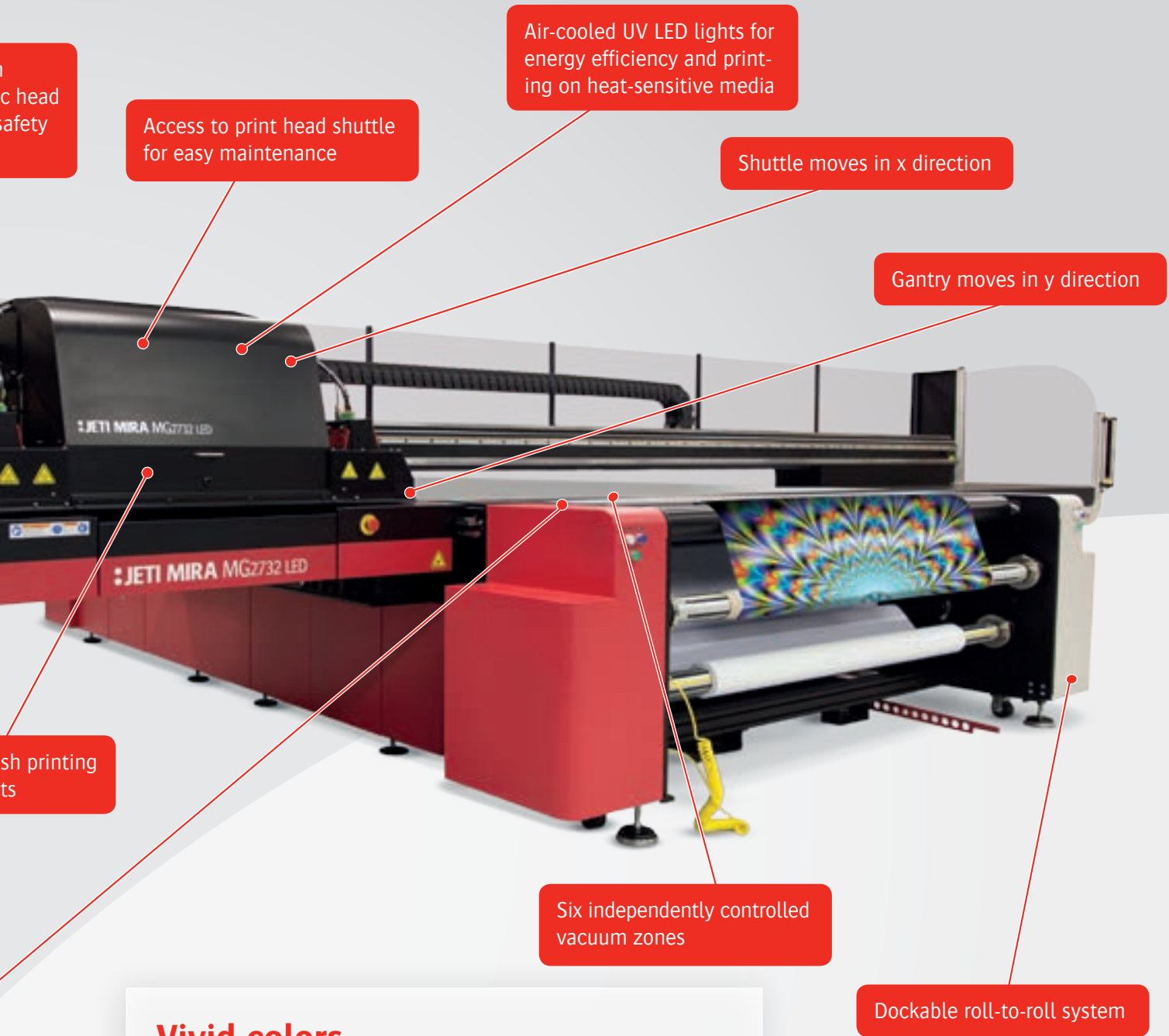
Advanced GUI design

Shuttle is equipped with anti-static bar, automatic height adjustment and sensors

Optional 3D varnish for stunning effects



Set of registration pins on each corner to ensure complete accuracy



Print head safety

Access to print head shuttle for easy maintenance

Air-cooled UV LED lights for energy efficiency and printing on heat-sensitive media

Shuttle moves in x direction

Gantry moves in y direction

High speed printing

Six independently controlled vacuum zones

Dockable roll-to-roll system

## Vivid colors

**BEST-IN-CLASS AGFA-MADE INKS:** The widest color gamut with the lowest ink consumption per square meter, with excellent adhesion and a short curing time. Suitable for all kinds of indoor and outdoor applications – flexible or rigid, coated or uncoated.

**UV-CURABLE LED INKS:** Always spot on and ideal for printing on heat-sensitive substrates. Specially designed to be compatible with UV LED print technology, which increases ROI, cuts costs, generates extra business and helps preserve the environment.

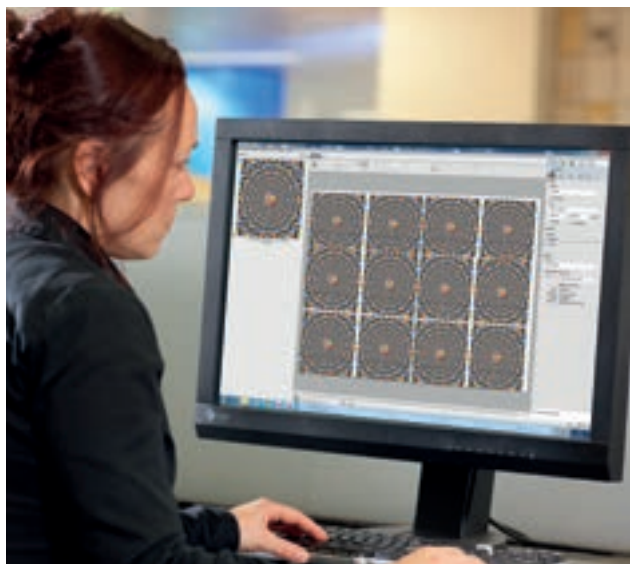
**ADVANCED WHITE INK MANAGEMENT:** For pre-, post- and sandwich white printing in spot and fill applications, and even for pre-white printing on rolls – both in flatbed and roll-to-roll mode. No blockages or clogs thanks to constant ink recirculation.

**PRIMER OPTION:** For even better adhesion to and durability on difficult substrates.

**VARNISH OPTION:** Adds a dramatic touch to your print jobs. You can now even create prints with exceptional stopping power through highly-advanced 3D Lens Technology.



# Vivid colors, high performance



## Powered by Asanti

The Jeti Mira is driven by Agfa Graphics' wide-format workflow software Asanti, which controls the entire printing process from prepress to production and finishing. As such, it simplifies, optimizes and automates as many steps as possible, offering you a high-performance solution for increased productivity. Moreover, the smart Asanti algorithms reduce your ink consumption, and consequently, your costs and environmental footprint.

Asanti's comprehensive integration of file handling, color management and preflighting guarantees error-free jobs ready to send to the appropriate wide-format output devices. It is completed by Asanti StoreFront, a web-to-print solution that lets you create and manage online stores and automatically process print orders.

## Integrable with PrintSphere

As a highly-advanced printer powered by Asanti, the Jeti Mira integrates perfectly with PrintSphere, Agfa Graphics' cloud-based service for production automation, easy file sharing and safe data storage. This integrable cloud service offers a standardized way for print service providers to automate their workflows and facilitate data exchange with customers, colleagues, freelancers, other departments and other Agfa solutions.

## Wide color gamut, no matter the medium

Agfa-made UV inks boast a wide color gamut and high color vibrancy in both indoor and outdoor applications. Providing outstanding adhesion – even on the most difficult substrates – these inks are your best option in terms of flexibility, image longevity and outdoor resistance. All of our UV inks – white and color – offer outstanding, stable jetting performance and deliver the same high-quality results, batch after batch.

## Agfa's UV-curable LED inks: always spot on

Relying on LED technology, our specially-formulated UV LED inks can print on heat-sensitive substrates, thus broadening the scope of possible applications. They are both customized and versatile, developed with a view of the many different media they are intended for, as well as the specifications of different print engines. Our inks for flexible media, for example, are perfectly suited for stretchable and bendable materials.

## Vivid prints, low ink consumption

Thanks to the high pigment load of our inks and the benefits of Asanti's algorithms, ink consumption per square meter is the lowest on the market. The amount of ink needed being one of the most important factors in calculating the cost of ownership for inkjet engines, this is a true asset that has been acknowledged by multiple awards.



In-house decoration - dibond

Moreover, this 'thin ink layer' pigment dispersion technology does not mean the Jeti Mira compromises on quality. Quite the opposite is true – and not only does it result in eye-catching prints; it also helps preserve the environment and saves on your budget. In short, these inks offer the best possible price/quality ratio.

### **Advanced white printing and white ink management**

Printing on backlit media? Creating an opaque white background? Using white as a spot color? The Jeti Mira supports white printing in multiple modes (e.g. pre-white, post-white, sandwich white) on both rigid and roll media. Thanks to its stirring functionality, the Jeti Mira keeps the white ink in motion at all times. Constant recirculation flows along the ink lines – all the way to the temperature-controlled printer heads – limiting the risk of ink resettling and lines becoming blocked or clogged.

### **Primer option for better surface tension**

Difficult substrates – such as polypropylene, PMMA/acrylic, polystyrene, etc. – can pose adhesion and durability challenges for inkjet printing. Opting for the Jeti Mira's primer option, however, allows you to easily improve surface tension. A quickly-deposited primer ensures better print results – either as a 'fill' (the whole area) or 'mask' (printed areas only). The UV-cured primer formulation is optimized for the Ricoh MH5420 (Gen5) heads that are incorporated into the Jeti Mira. And because the primer is applied in low-coverage percentages, it hardly influences your cost per square meter of output.

### **Varnish option and 3D Lens Technology**

Looking for something extra to differentiate yourself from the competition? Varnish is the perfect solution. Used as 'spot' varnish, it can add a dramatic touch to many different applications, including POP displays, packaging, decorative prints and trade show graphics. Agfa Graphics' UV-curable varnish is compatible with almost all standard UV-printing media and cures to a perfect gloss or semi-gloss sheen.

Want to take it one step further? Create stunning 3D effects with real stopping power. Using a combination of varnish and image manipulation (e.g. printing transparent lenses), the Jeti Mira knows no print limits. This 3D Lens Technology adds depth to your print results by tuning the size of the varnish lenses and the array in which they are printed, as well as by relying on software elements to enhance pictures. 3D printing is a standard feature for Jeti Mira engines with varnish option in the first year. After this one-year license, you will be able to opt for a lifetime license.

### **Wide range of applications**

The Jeti Mira prints on a wide variety of media: banners, posters, signage (e.g. traffic or industrial information), exhibit graphics, POP, mock-ups, backlit, front-lit, self-adhesives (labels) etc. It can also be used for niche applications such as DVDs, wood, art reproductions, personalized object printing, party favors, architectural and interior decoration, lenticular printing and more.



In-house decoration - paper and wood



3D Lens Technology

## Media & Printing Specifications

Rigid media		
Maximum width	2.69 m (8.82 ft)	
Maximum length	1.6 m (5.24 ft)	3.2 m (10.49 ft)
Minimum size	DIN A4 (21 cm x 29.7 cm) landscape	
Thickness	Min. 1 mm (40 mil) – max. 50 mm (1.97")	
Maximum weight	37 kg/m <sup>2</sup> (7.57 lb/ft <sup>2</sup> )	
Borderless printing	Up to 2.69 m x 1.59 m (8.82 ft x 5.21 ft)	Up to 2.69 m x 3.19 m (8.82 ft x 10.46 ft)
Flexible media		
Max-min print width	2.05 m (6.72 ft) – 330 mm (13")	
Max-min print height	Full roll length – n/a	
Max-min roll width	2.10 m (6.88 ft) – 330 mm (13")	
Maximum length	Depends on total roll weight	
Max-min media thickness	3.2 mm (1/8") – 0.2 mm (1/64")	
Maximum weight	100 kg (220.5 lb)	
Maximum roll outside diameter	305 mm (12")	
Roll core	7.62 cm (3") (standard) or 15.24 cm (6") (with adapters)	
Media skew	Max. 3 mm on 10 m printing	
Borderless printing flexible media	Up to 2.05 m (6.72 ft)	

## Productivity

Draft mode	231 m <sup>2</sup> /hr (2486 ft <sup>2</sup> /hr)
Express mode	135 m <sup>2</sup> /hr (1453 ft <sup>2</sup> /hr)
Production mode	70 m <sup>2</sup> /hr (753 ft <sup>2</sup> /hr)
Standard mode	48 m <sup>2</sup> /hr (517 ft <sup>2</sup> /hr)
High-quality mode	30 m <sup>2</sup> /hr (323 ft <sup>2</sup> /hr)
High-definition	20 m <sup>2</sup> /hr (215 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	Piezoelectric Ricoh MH5420
Ink	CMYKLCm + white (optional primer or varnish)

## Image & Text Quality

Prints high quality	Up to 1000 x 1200 dpi
Text quality	4 point

## Engine Dimensions & Weight

Flatbed printer dimensions (H x W x L)	1.63 m x 6.25 m x 2.54 m (5.33 ft x 20.5 ft x 8.33 ft)	1.63 m x 6.25 m x 4.4 m (5.33 ft x 20.5 ft x 14.4 ft)
Flatbed printer with roll-to-roll unit dimensions (H x W x L)	1.63 m x 6.25 m x 3.05 m (5.33 ft x 20.5 ft x 10 ft)	1.63 m x 6.25 m x 4.9 m (5.33 ft x 20.5 ft x 16 ft)
Flatbed printer weight	2776 kg (6120 lb)	3456 kg (7620 lb)
Flatbed printer with roll-to-roll unit weight	3721 kg (8203 lb)	4401 kg (9703 lb)

## Electricity & Compressed Air

Electricity	400Y / 230V, 3-phase 50/60 Hz 25 KVA (34A)
Compressed air	5 cfm continuous air at 100-150 psi (8.3 m <sup>3</sup> /hr at 6.9-10.3 bar).

## System Integration RIP / Workflow software

Asanti, PrintSphere, third-party rips

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