FUJIFILM ACUITY ADVANCE SERIES
THE FIRST TRUE HI-RES UV FLATBED WITH WHITE OPTION

ACUITY ADVANCE HD2545W
WITH WHITE OPTION

ACUITY ADVANCE HD2545W X2
WITH ROLL-TO-ROLL OPTION

Enhanced productivity at every stage of production
The Acuity Advance flatbed and roll-to-roll UV inkjet printer provides near photo realistic quality onto a wide variety of rigid and flexible media. The dedicated flatbed design employs a zoned vacuum table to hold all types of media, including irregularly shaped or uneven surfaced materials up to 48 mm thickness. This ensures accurate registration even on multiple passes. In addition, the Acuity Advance prints edge-to-edge, saving time and labour in finishing. The Acuity roll-to-roll option increases the media range even further to include vinyl, paper, backlit film, textiles and PVC banner without affecting the rigid printing option and workflow.

Precise printing
The vacuum table holds the rigid media stationary while printing, enabling you to print regular and precut substrates or even specialty items like pre-stretched canvas, doors, ceiling tiles, etc. The micron accuracy of the system allows for perfect double-sided registration or overprinting to increase ink density. This means backlit graphics have the vividness and saturation previously only possible with photographic imaging.

Roll-to-roll option
An optional roll-to-roll module can be added in the field, giving customers the ability to print onto flexible media including PVC banner or self-adhesive vinyl, without compromising the rigid printing workflow. Once a rigid print is finished, the print head assembly is positioned over the roll-to-roll module and begins printing on flexible media, while the rigid material is swapped out and the new board is placed on the vacuum table and prepared for printing. The modularity of this system protects customers' initial investments because the roll-to-roll option can be ordered at time of purchase or added in the field.

Double sized print bed
The Acuity Advance X2 comes with all state-of-the-art features and offers you the advantages of a double sized print bed of 3.05 x 2.5 m. With the Acuity Advance print quality you are are accustomed to, you can now double the size of your rigid media. And as the bed carries two independent vacuum systems you can also print one job while at the same time prepare your next print. The X2 can also be fitted with a 2.2 m roll-to-roll unit. The white ink option is also available; alternatively the X2 can also be upgraded in the field.

Ink system
The UV curable ink is packed in two-litre ink bags (white, 1 litre) to minimise ink changes. The system includes an intelligent sensor to alert the operator of ink change requirements before actually running out. It also ensures correct ink colour installation. The ink change system takes only seconds to complete with minimum waste and operator intervention. This four-colour CMYK system + white uses 35 % less ink than a six-colour system + white and with better or equivalent print results.

Optimized print performance using Uvijet UV curing inks
Using FUJIFILM Sericol's unique Micro-V ultrafine dispersion technology to maximise pigment loading, the Uvijet range of UV curing inks delivers strong vibrant, lightfast colours.

- Environmentally-friendly UV curable process
- Specifically formulated for the Acuity Advance printer
- Excellent chemical and abrasion resistance
- Exceptionally wide adhesion range*

* For certain applications the use of Uvijet adhesion promoters is recommended.

General specifications

Print Technology	Proprietary Piezoelectric UV inkjet head using variable-dot grayscale imaging technology; CMYK + white with two print heads per colour
Roll Media Width	0.9 to 2.2 m
Roll Media Print Area	2.19 m maximum
Roll Diameter	Up to 240 mm
Roll Core Diameter	76.2 mm
Roll Weight	50 kg maximum
Resolution	Variable droplet sizes from 6 to 42 picolitres
Operator Console	Intuitive user interface via user-positioned monitor and mouse stand
Network	100 Base-T connectivity (minimum)
FUJIFILM Sericol Uvijet UV Inks	Uvijet KO-series UV curable inks (CMYK 2 litre, white 1 litre)
Environment	18° to 30° C. RH 30%-70% non-condensing

HD2545W specifications

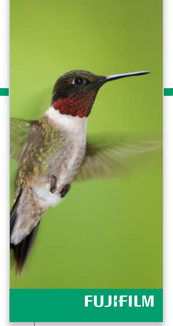
Print Modes and Speeds	**Flatbed**	**Roll-to-roll**
Production	22.2 m^2 / hour	17.5 m^2 / hour
Quality	15.2 m^2 / hour	12.0 m^2 / hour
Fine Art	12.3 m^2 / hour	9.7 m^2 / hour
Quality Matte	10.9 m^2 / hour	8.6 m^2 / hour
Quality Density	8.5 m^2 / hour	6.7 m^2 / hour
Color + white	7.6 m^2 / hour	6.0 m^2 / hour
Color + white (x 2)	5 m^2 / hour	4.5 m^2 / hour
Rigid Media Size	1.25 m wide x 2.5 m long	up to 48 mm thick
Rigid Media Print Area	1.26 m wide x 2.51 m long	(full bleed capability)
Dimensions	Flatbed: 4.08 m wide x 2 m long. With roll-to-roll option 4.08 m wide x 2.3 m long	
Power	200 to 240 VAC, single phase, 16 A	
Weight	473 kg, including the roll-to-roll option: 650 kg	

HD2545W X2 specifications

Print Modes and Speeds	**Flatbed**	**Roll-to-roll**
Production	22.2 m^2 / hour	17.5 m^2 / hour
Quality	15.2 m^2 / hour	12.0 m^2 / hour
Fine Art	12.3 m^2 / hour	9.7 m^2 / hour
Quality Matte	10.9 m^2 / hour	8.6 m^2 / hour
Quality Density	8.5 m^2 / hour	6.7 m^2 / hour
Color + white	7.6 m^2 / hour	6.0 m^2 / hour
Color + white (x 2)	5 m^2 / hour	4.5 m^2 / hour
Rigid Media Size	2.50 m wide x 3.05 m long	up to 48 mm thick
Rigid Media Print Area	2.51 m wide x 3.06 m long	(full bleed capability)
Dimensions	Flatbed: 4.08 m wide x 3.83 m long, Incl. R2R option 4.08 m wide x 4.02 m long	
Power	2 separate connections 200 to 240 VAC, single phase, 2x 16 A	
Weight	1098 kg, including the roll-to-roll option: 1275 kg	

Profit from print

Be a one-stop shop for your customers and provide all they need for their campaigns, including POP, banners, posters, illuminated or rigid signs, personalised gifts, interior decoration objects and many more. Thanks to a zoned vacuum table, the printer holds all types of media, including irregularly shaped or uneven surfaced materials. The Acuity Advance is the perfect print solution to complete your workflow, even for printing on dark substrates thanks to the white option.



Acuity Advance series, an overview

Acuity Advance HD2545

- Prints on a wide variety of rigid and flexible media
- Media thickness up to 48 mm
- Genuine flatbed of 2.50 m x 1.25 m
- Optional R2R unit for flexible media
- UV curable pigment CMYK inks from FUJIFILM Sericol
- Grayscale UV print heads with drop sizes from 6 to 42 picolitres
- High resolution up to 1440 dpi
- True production speed of 22.2 m² / hour
- Capable of full bleed printing

Acuity Advance HD2545 X2

- Same specifications as the HD2545 except for the flatbed size: 3.05 m x 2.50 m

Acuity Advance HD2545W

- The HD2545W has the same advantages as the regular printer but comes with white ink option, allowing in-line printing
- Field upgrade of Acuity Advance HD2545 to white is possible

Acuity Advance HD2545W X2

- The HD2545W X2 has the same advantages as the regular printer but comes with white ink option, allowing in-line printing
- Field upgrade of Acuity Advance HD2545 X2 to white is possible

Please contact your local FUJIFILM partner for further information.

SERICOL
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FUJIFILM SERICOL UK LTD
Pysons Road Broadstairs
Kent CT10 2LE United Kingdom
Tel: (01843) 866668
Fax: (01843) 872184

www.fujifilmsericol.com

UK Sales
Tel: (01992) 782619
Fax: (01992) 782602
Email: uksales@fujifilmsericol.com

Customer Service Centres
Tel: 0845 084 89 89

Export Sales
Pysons Road Broadstairs
Kent CT10 2LE United Kingdom
Tel: +44 (0)1843 866668
Fax: +44 (0)1843 872122
Email: exportsales@fujifilmsericol.com

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Acuity Advance HD2545 series

The first true hi-res UV flatbed with white option

- Prints directly onto a wide variety of rigid or flexible media
- White Ink option allows in-line printing
- Roll-to-roll option available
- Proprietary grayscale UV inkjet heads with drop sizes from 6 to 42 picolitres
- Compares to conventional printing resolutions of 1440 dpi or higher with true production speed of 22.2 m²/hour
- Uses FUJIFILM Sericol's Uvijet series inks
- The 3.05m x 2.5m print bed of the Acuity Advance X2 allows for higher productivity with the same print quality.

The first true hi-res UV flatbed with white option

The **Acuity Advance** offers you excellent opportunities in the wide format UV digital imaging technology. The Acuity Advance delivers both rigid and flexible high quality prints which hold up visually, even at the closest of viewings. It also allows you to print on a wide variety of other objects up to a thickness of 48 mm.

The Acuity Advance boasts an optional white ink module that allows white to be used as part of the image content or as an underprint or overprint layer. Unlike many other printers, the white ink can be printed in-line, allowing much greater potential in the application of white within a job. But perhaps what is most impressive is the ability of the Acuity Advance to print up to three distinct layers on any given job with bright, opaque Uvijet white ink. The X2 version comes with a double sized print bed of 3.05 by 2.5 m, giving you greater flexibility for your printing demands, while ensuring the same print quality.

At the heart of the Acuity Advance is imaging technology that allows each print head to produce variable size droplets. This allows the printer to produce sharp and crisp images when jetting fine droplets (as fine as 6 picolitres), and to deliver denser, more uniform solid areas when jetting larger droplets (up to 42 picolitres).

The result is image quality usually only seen at resolutions of 1440 dpi or higher, with crisper, more legible type (as low as 6 pt), smoother skin tones, finer line detail, and the best solid colour coverage of any printer in its class.