

ACUITY ADVANCE

high resolution, value-based UV flatbed

FUJIFILM

Acuity Advance



UV FLATBED

*the first true hi-res value-based UV flatbed
now with **White Option***

The Acuity Advance offers you the latest breakthrough in wide format UV digital imaging technology. Now, up to 35% faster than previous models, the Advance is specifically designed for print applications requiring fine detail and high resolution imaging. The Acuity Advance delivers both rigid and flexible point-of-purchase signage that hold up visually, even at the closest of viewings.

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. This allows much greater flexibility in the application of white within a job. But Perhaps what is most impressive is the ability for the Advance to print up to three distinct layers on any given job with rich, opaque UviJet white ink.

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 jet droplets as fine as 6 picoliters that produce sharp, crisp images with smoother transitions and quarter tones. Conversely, when jetting larger droplets, the Acuity Advance delivers denser, more uniform solid image areas than competitive presses.

Acuity Advance Features:

- True stationary flatbed allows full-bleed printing on rigid substrates
- Optional White Ink option allows in-line printing
- Roll media option for true roll-to-roll capability
- Variable dot imaging technology for superior print quality
- Up to 35% ink savings over 6-color systems
- Near-photographic image quality
- Production speed over 239 ft² per hour

**Digitally
Driven**

ENHANCED PRODUCTIVITY AT EVERY STEP OF PRODUCTION

The Acuity Advance flatbed design employs a zoned vacuum table to hold all types of media, including irregularly shaped or uneven surfaced materials. This ensures accurate registration even on multiple passes. Plus, the Acuity Advance prints edge-to-edge, saving time and labor in finishing.

INK SYSTEM - The UV curable ink is packaged in bulk, two-liter ink bags to minimize change out. The system includes an intelligent sensor to alert operator to an ink change requirement before running out of ink, as well as ensuring a correct ink color is installed. A quick change ink system takes seconds to complete reducing waste, mess and operator intervention.

VARIABLE DROPLET IMAGING TECHNOLOGY - results in excellent print quality and a superior ink economy over 6-color printing systems. The Acuity Advance can produce droplets of different volumes ranging from 6 to 42 picoliters. Older six-color printers using "Lc" and "Lm" to overcome the image quality problem previously associated with four-color (CMYK only) printing use 35% more ink.

WHITE SPACE SKIPPING - The Acuity Advance automatically skips large unprinted areas, increasing printer throughput.

MAINTENANCE - Regular maintenance was included in the Acuity Advance design. An innovative vacuum wand is provided for printhead cleaning for more productive time printing sellable output.



ROLL MEDIA OPTION

An optional roll media module can be added in the field, giving customers the ability to print onto flexible media including vinyl 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 media option 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 the customers' initial investment because the roll media option can be ordered at the time of purchase or added in the field.

PRECISE PRINTING

The vacuum table holds the rigid media stationary while printing enabling you to print regular and pre-cut substrates or even unusual items like pre-stretched canvas, doors, ceiling tiles, etc. The micron accuracy of the system allows for perfect double-sided registration or for overprinting to increase ink density. This means backlit graphics have the pop and saturation previously only possible with photographic imaging. The flatbed system supports full-bleed printing to a maximum image area of 48 inches by 96 inches.

OPTIMIZED PRINT PERFORMANCE USING UVIJET UV CURING INKS

Fujifilm Sericol UVijet Inks, specially formulated for the Acuity Advance, utilize patented Micro-V dispersion technology to deliver wide adhesion, vibrancy and higher gloss in every print. Uvijet inks cure instantly for a wide array of substrates and offer a two-year outdoor durability without lamination.



SPECIFICATIONS:

ACUITY ADVANCE SPECIFICATIONS

PRINT TECHNOLOGY

- Proprietary Piezoelectric UV inkjet head using variable-dot grayscale Imaging technology; 4-color (CMYK+W) with two print heads per color

PRINT FORMAT

- 48in. / 1.2m (W) x 96in. / 2.5m (L) (full bleed capability)

PRINT FORMAT - ROLL

- 36" to 86.6" wide (86.2" printable)
- Roll Diameter: up to 9.45"
- Core Inner Diameter 3"
- Roll Mass: up to 110 Lbs.
- Media Winding Direction (input/output): print side out

MAX SUBSTRATE THICKENSS

- 1.89in. (48mm)

RESOLUTION

- Variable droplet sizes from 6 to 42 picoliters

OPERATOR CONSOLE

- Intuitive user interface via user-positioned monitor and mouse stand

RIP

- ColorGATE Production Server 5
- ONYX ProductionHouse Workflow Software, version 7.0 or greater

SERICOL UVIJET UV INKS

- UVijet KO-series UV curable inks (CMYK+W) (Packaged in 2-liter sealed bags)
- UVijet KI-series UV curable inks (CMYK) (Packaged in 2-liter sealed bags)

PHYSICAL DIMENSIONS

- 161.4in. / 4.1m (W) x 78.7in. / 2m (L)

POWER

- 200 to 240 VAC, single phase, 30A

NETWORK

- 100 Base-T

* Product specifications are subject to change without notice.

Print Modes and Speeds

	Bidirectional
Production Mode	239 ft ² per hour
High Quality	164 ft ² per hour
Fine Art Mode	135 ft ² per hour
Quality Mode	117 ft ² per hour
White Mode	82 ft ² per hour

THE FUJIFILM GREEN POLICY

We at Fujifilm believe that "sustainable development" of the Earth, mankind, and companies in the 21st century is an issue that must be addressed with the highest priority. As a socially responsible corporation, we actively undertake corporate activities with our environmental values in mind. We strive to be a dedicated steward of the environment and assist our customers and corporate partners in doing the same.



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