

ACUITY ADVANCE

high resolution, value-based UV flatbed

SERICOL
More than ink...Solutions.
FUJIFILM

Uvijet



Acuity Advance

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

The Acuity Advance offers you the latest breakthrough in wide format UV digital imaging technology. Now 33% 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 more detail in highlights and shadows. 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
- Variable dot imaging technology for superior print quality
- Up to 35% ink savings over 6-color systems
- Near-photographic image quality
- Production speed over 233 ft²/hr
- Optional roll-to-roll module for true roll-to-roll capability

ENHANCED PRODUCTIVITY AT EVERY STEP OF PRODUCTION

The Acuity 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.

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 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-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 the customers' initial investment because the roll-to-roll option can be ordered at time of purchase or added in the field.

Acuity Advance

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. Uvijet inks cure quickly and adhere to a wide array of substrates.



SPECIFICATIONS:

Print Technology

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

Print Format – Rigid

- 48" (W) x 96" (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 Thickness

- 1.89" (48mm)

Resolution

- Variable droplet sizes from 6 to 30 picoliters

Operator Console

- Intuitive user interface via user positioned monitor and mouse stand

RIP

- ColorGATE Production Server (Fujifilm Edition), Version 5.3 or later
- ONYX ProductionHouse Workflow Software, Version 7.0 or greater

Sericol Uvijet UV Inks

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

Physical Dimensions

- 161.4" (W) x 78.7" (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

*Stated production speeds are for Flatbed mode.
Performance in Roll-to-Roll mode will be slightly slower.

	Bidirectional
Production Mode	233 ft ² per hour
Quality Mode	165 ft ² per hour
Fine Art Mode	135 ft ² per hour
Quality Matte Mode	118 ft ² per hour
Four Color + White	80 ft ² per hour
Four Color + White (x2)	54 ft ² per hour

Digitally Driven