Uvijet

Acuity HD 2504

the first true hi-res UV flatbed now with Roll to Roll Option

The Acuity HD 2504 offers you a breakthrough in wide format UV digital imaging technology. Specifically designed for print applications requiring fine detail, high resolution images, the Acuity HD 2504 delivers both rigid and flexible point-of-purchase signage that hold up visually, even at the closest of viewings.

At the heart of the Acuity HD 2504 is imaging technology that enables each print head to produce variable size dots as opposed to traditional fixed-droplets. The printer's ability to jet droplets as fine as 6 picoliters produces sharp, precise images with smoother transitions and quarter tones. When jetting larger droplets, the Acuity delivers denser, more uniform solid image areas than competitive presses.

The result is image quality usually seen at resolutions of 1,200 dpi or higher with crisper, more legible type, even as low as 6pt. Smoother skin tones. Finer line definition. Plus the best solid color coverage of any other printer in its class.

The variable drop technology uses up to 35% less ink than fixed droplet, six color printers. So not only does the Acuity HD 2504 offer an incredible value at purchase, but also throughout its production life.

Acuity HD 2504 Features:

- **True stationary flatbed allows full-bleed printing on rigid substrates**
- **Optional roll-to-roll module for true roll-to-roll capability**
- **Variable dot imaging technology for superior 4-color printing**
- **Up to 35% ink savings over 6-color systems**
- **Near-photographic image quality**
- **Production speed up to 174 ft²/hr**

ENHANCED PRODUCTIVITY AT EVERY STEP OF PRODUCTION

The Acuity HD 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 HD 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.

WHITE SPACE SKIPPING

The Acuity HD 2504 automatically skips large unprinted areas, increasing printer throughput.

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 HD 2504

PRECISE PRINTING

The vacuum table holds the rigid media stationary while printing, enabling you to print regular and precut 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 HD 2504, utilize patented Micro-V dispersion technology to deliver wide adhesion, vibrancy and higher gloss in every print. 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
- 49.2" (W) x 98.4" (L) (full bleed capability)

Max. Print Size
- 49.6" (W) x 98.8" (L)

Max. Substrate Thickness
- 1.89" (48mm)

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"

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 Version 5.4 or later (Fujifilm Edition)
- ONYX Production House Workflow Software, version 7.0 or greater

Sericol Uvijet UV Inks
- UVijet KO-series UV curable inks (CMYK) (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	174 ft^2 per hour
High Quality	117 ft^2 per hour
Fine Art Mode	98 ft^2 per hour
Quality Matte Mode	86 ft^2 per hour