

**ACUITY HD 2504**

high resolution, value-based UV flatbed

**FUJIFILM**



## Acuity HD 2504

### UV FLATBED

*the first true hi-res value-based  
UV flatbed*

The Acuity HD 2504 offers you the latest 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 a new 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 picoleter produces sharp, precise images with smoother transitions and quarter tones: while jetting larger droplets up to 30 picoleter delivers denser, more uniform solid image areas.

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.

Plus the breakthrough 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 (available late 2007)
- 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 ft<sup>2</sup> per hour.

**Digitally  
Driven**

## ENHANCED PRODUCTIVITY AT EVERY STEP OF PRODUCTION

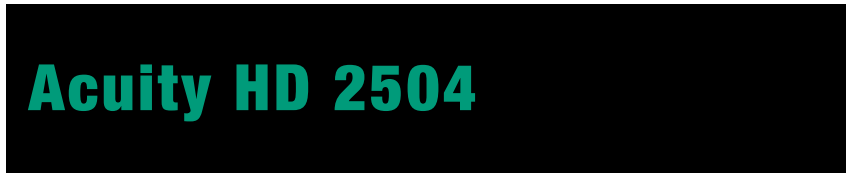
The Acuity HD flatbed design employs a zoned vacuum table to hold all types of media, including irregularly shaped or uneven surfaced materials. This ensures accurate registration even on multiple passes. Plus, the Acuity HD prints edge-to-edge, saving time and labor in finishing.

**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.

**VARIABLE DROPLET IMAGING TECHNOLOGY** - results in excellent print quality and a superior ink economy over 6-color printing systems. The Acuity HD can produce droplets of different volumes ranging from 6 to 30 pico liters. 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 HD 2504 automatically skips large unprinted areas, increasing printer throughput.

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



## 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 UVJET 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 instantly for a wide array of substrates and offer a two-year outdoor durability without lamination.



Print Modes and Speeds	
	<b>Bidirectional</b>
Production Mode	174 ft <sup>2</sup> per hour
High Quality	117 ft <sup>2</sup> per hour
Fine Art Mode	98 ft <sup>2</sup> per hour
Fine Art Matte Mode	86 ft <sup>2</sup> per hour

## SPECIFICATIONS:

### ACUITY HD 2504 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

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

#### MAX SUBSTRATE THICKNESS

- 1.89in. (48mm)

#### RESOLUTION

- Variable droplet sizes from 6 to 30 picoliters

#### OPERATOR CONSOLE

- Intuitive user interface via userpositioned monitor and mouse stand

#### RIP

- ONYX ProductionHouse Workflow Software, version 7.0 or greater

#### SERICOL UVJET UV INKS

- UVjet KO-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.

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