



## AcuityLED 1600 II

# UV LED Printer with Groundbreaking Image Quality & Class Leading Productivity

The Fujifilm Acuity LED 1600 II is a large format hybrid printer designed to give exceptional print result in the most environmentally friendly way. Fujifilm technology breakthroughs in LED UV curing, ink chemistry, and printheads work in perfect harmony to give smooth, near-photographic results at impressive print speed of 355 square feet per hour.

Print to roll for banner, window display or backlit applications, and then seamlessly switch to directly print to rigid boards (including PET, acrylic and polycarbonate substrates) for high-quality POP or sign applications.

### Acuity LED 1600 II Features:

- Unique hybrid design allows easy switchover from roll media to rigid boards and back again
- Eight inks standard: CMYK, light cyan, light magenta, white and clear
- Single pass printing of two or three layers of color, white, and clear inks simultaneously
- "Best-in-class" productivity of 355 ft<sup>2</sup>/hr (33 m<sup>2</sup>/hr)
- High-precision, high-speed Fujifilm Dimatix printheads
- Industrial grade Fujifilm Dimatix printheads for a long life span
- Handles substrates up to .375" (10 mm) thick and 60" (1524 mm) wide
- Fast-drying ink allows for immediate processing
- Printer tables included for printing on rigid substrates

## HIGH QUALITY AND HIGH PRODUCTIVITY

The Acuity LED 1600 II uses eight Fujifilm Dimatix Q-class, high frequency printheads for fast, precise and long-life high performance production. The combination of VersaDrop™ multi-pulse jetting technology and accurate control of jetting, pinning and curing process, allows the Acuity LED to produce unmatched print quality at print speeds up to 355 square feet per hour (33 m<sup>2</sup>/hour). VersaDrop jetting also precisely adjusts ink droplet size according to the image, ensuring smooth tonal gradations.

## STANDARD EIGHT COLOR INK SET

The Acuity LED 1600 II comes standard with eight color inks (CMYK, Light Cyan, Light Magenta, White, and Clear) and allows for the combined use of color, white and clear ink in a single pass greatly improving printing efficiency and producing high-gloss output for a premium finish. A reusable cartridge and replaceable ink-pouch system adds convenience and reduces waste.

## SPOT COLOR MATCHING SOFTWARE

Employing sophisticated image processing technology, the Spot Color Matching software automatically generates a color chart that simplifies the process of matching spot colors resulting in increased accuracy and time savings.

## UV LED LAMP SYSTEM

The Acuity LED 1600 II's patented full LED lamp system is perfectly tuned to cure its own Uvjet ink in a two-stage curing process. Small, low-dose LED pinning lamps close to the printhead freeze the dot, while the main LED curing lamps fully cure the print which is ready to use straight away. Adjustable lamp positioning enables the curing to be finely controlled.



## SPECIFICATIONS:

### Print Technology

- ▶ LED UV Inkjet

### Fujifilm Uvjet UV Inks

- ▶ Fujifilm Uvjet LL LED UV Curable Ink
- ▶ 8 colors (cyan, magenta, yellow, black, light cyan, light magenta, white, clear)

### RIP Software

- ▶ AL 1600 RIP: v1.5 or later
- ▶ ColorGATE: v9.01 or later
- ▶ Caldera: v9.2, 10.0 & 10.1 or later
- ▶ Onyx: ProductionHouse v11.1 or later

### Physical Dimensions (W x D x H)

- ▶ 128" x 31" x 61" (3250 mm x 780 mm x 1550 mm)

### Weight

- ▶ Printer 617 lbs (280 kg)
- ▶ Tables 221 lbs (110 kg)

### Power

- ▶ AC 100-120V, 200-240V, 50/60Hz
- ▶ Requires independent circuit

### Network

- ▶ USB 2.0

### Printheads

- ▶ Variable droplet levels: CMYKLCm- 11pl, 21pl, 37pl White and Clear- 30pl and 60pl

### Minimum/Maximum Media size

#### Roll Maximum

- ▶ Width 63.78" (1.62 m)
- ▶ Length 656.2' (200 m) or Rip specification
- ▶ Thickness 0.04" (1 mm)
- ▶ Weight 55 lbs (25 kg)

#### Roll Minimum

- ▶ Width 8.26" (210 mm)
- ▶ Length (Rip specification)
- ▶ Thickness 0.004" (.1 mm or 4 mil)
- ▶ Weight N/A

#### Core diameter

- ▶ 2" or 3" Roll (50 or 75 mm)
- ▶ Diameter maximum 7.08" (180 mm)

#### Rigid Maximum

- ▶ Width 40" (1016 mm)
- ▶ Length 60" (1524 mm)
- ▶ Thickness 0.375" (10 mm)
- ▶ Weight 15 lbs (6.8 kg)

#### Rigid Minimum

- ▶ Width 8.26" (210 mm)
- ▶ Length (Rip specification)
- ▶ Thickness 0.04" (1 mm)
- ▶ Weight N/A

*Note: media should have no more than .008" (.2 mm) deviation of flatness from edge to edge*

### Print Area Specifications

#### Roll Width Margin

- ▶ Standard media width minus .55"
- ▶ Length: (Rip specification)
- ▶ Maximum media width minus .39"

#### Rigid Width Margin

- ▶ Maximum media width minus .39"
- ▶ Length: 60" (front .2", back 6.5")

#### Roll Max Width

- ▶ Standard 63.15"
- ▶ Maximum 63.38"
- ▶ Length 656.2' (200 m) or Rip specification

#### Rigid Max Width

- ▶ Maximum media width minus .39"
- ▶ Length: media length minus 6.7" (front .2", back 6.5")

## Print Modes and Speeds

Mode	Passes	Resolution DPI	Speeds	
			ft <sup>2</sup> /hr	m <sup>2</sup> /hr
Express	6 pass bi-di	600 x 300	355	33
Production	10 pass bi-di	600 x 500	215	20
Standard	16 pass bi-di	900 x 800	140	13
Quality 1	24 pass bi-di	900 x 1200	103	9.6
Quality 2	24 pass bi-di	1200 x 1200	77	7.2
High Quality	48 pass bi-di	1200 x 1200	45	4.2