



Acuity LED 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
- High-precision, high-speed Fujifilm Dimatix printheads
- VersaDrop™ jetting technology precisely adjusts ink droplet size according to the image, ensuring smooth tonal gradations
- “Best-in-class” productivity of 355 ft²/hr (33 m²/hr)
- Handles substrates up to .375” (10mm) thick and 60” (1524mm) 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 (33m²/hour).



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 Uvijet 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

Max. Print Width

- ▶ 63.3" (1,610 mm)

Max. Media Width

- ▶ 63.7" (1,620 mm)

Max. Size Rigid

- ▶ 40 x 60" (1016 x 1524 mm)

Max. Media Weight

- ▶ Roll: 55 lbs. (25 kg)
- ▶ Rigid: 15 lbs. (7 kg)

Max. Substrate Thickness

- ▶ Roll 0.04" (1 mm)
- ▶ Rigid substrates up to .375" (10 mm) thick with no more than 0.008" (0.2 mm) deviation of flatness from edge to edge.

Max. Print Speed

- ▶ 355 ft²/hour (33 m²/hour)

Print Head

- ▶ FUJIFILM Dimatix Q-Class Printhead

Fujifilm Uvijet UV Inks

- ▶ Fujifilm Uvijet 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 (Limited 2 & 3 layer printing supported)
- ▶ 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" (3250mm x 780mm x 1550mm)

Weight

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

Power

- ▶ AC 100-120V, 200-240V, 50/60Hz

Network

- ▶ USB 2.0

**Product specifications are subject to change without notice.*

Print Modes and Speeds

Mode	Resolution DPI	Speeds	
		ft ² /hr	m ² /hr
Express 6 pass bi-di	600x300	355	33
Production 10 pass bi-di	600x500	215	20
Standard 16 pass bi-di	900x800	140	13
Quality 24 pass bi-di	1200x1200	77	7.2
High Quality 48 pass bi-di	1200x1200	45	4.2



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.