FUJIFILM

Acuity LED 1600 UV inkjet printer

Large format hybrid printer driven by Fujifilm technology, designed for creativity
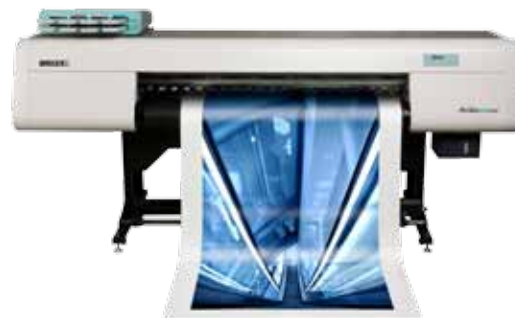

▶ Excellent coverage with strong, vibrant colors

▶ Eight color ink set including CMYK plus light cyan, light magenta, white and clear

▶ Prints colors, white or clear together in one pass

▶ Low energy consuming, long life LEDs

▶ Fujifilm spot color matching software and RIP included

▶ Flatbed feed and receive tables

High performance Fujifilm LED UV

LED UV has the capability to be a leading inkjet technology in the future. LEDs produce very little heat which means they can work with heat-sensitive media. They consume far less energy than conventional UV lamps and last up to ten times longer. Above all they are much kinder to the environment – a concern for printer operators and their customers alike.

The Fujifilm Acuity LED 1600 is a large format hybrid printer designed to give exceptional print results in the most environmentally friendly way. Fujifilm's unique, purpose-designed ink, printheads and curing system work in perfect harmony to give smooth, near-photographic results at impressive print speeds.

LED UV is better for your business

- ▶ High definition, accurate print with a range of finishes

- ▶ Buyers want media that is easier to recycle

- ▶ Uses a fraction of the energy of conventional curing systems

- ▶ LEDs work instantly without a warm-up delay

- ▶ LEDs are safe to work with

- ▶ LEDs are suitable for both roll and rigid applications

Acuity LED is better for the environment

- ▶ Prints recyclable polyolefin films

- ▶ Long life, low energy LED UV lamps

- ▶ No wasted heat

- ▶ No volatile organic compounds (VOCs) or ozone

- ▶ No toxic metal halide lamps

- ▶ Reusable ink cartridge cases

Fujifilm LED UV lamp system

The Acuity LED 1600'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.

Fujifilm Dimatix heads

The Acuity LED 1600 uses eight Q-class printheads. These high frequency heads are both precise, fast, and have a track record of long life in high performance production. The combination of VersaDrop™ multi-pulse jetting technology and accurate control of the jetting, pinning and curing process, enables the Acuity LED 1600 to produce quality print at fast print speeds.

Acuity LED 1600

Fujifilm Acuity LED UV printer

Although it has the most sophisticated print science behind it, the Acuity LED 1600 is an easy-to-use, large format hybrid printer that's equally suitable for an office, studio or workshop. It is amazingly versatile and prints stunning images onto a wide range of roll or rigid media.
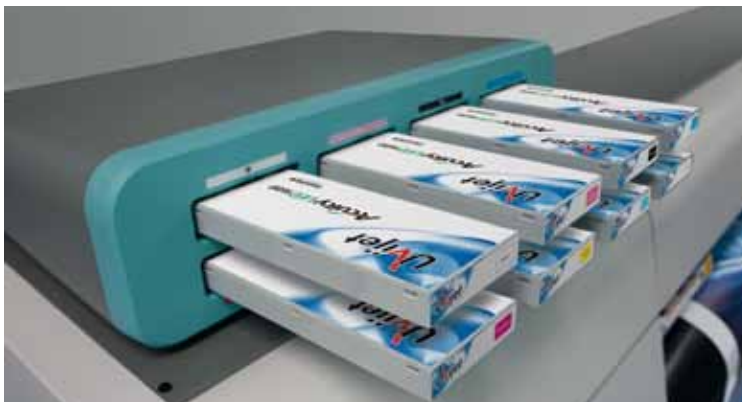
Fujifilm VersaDrop™ imaging

VersaDrop™ multi-pulse jetting delivers droplets of different sizes according to the definition needed by the image. This gives both smooth changes in tone and rock-solid spot colors. VersaDrop™ achieves phenomenal accuracy by forming droplets at the nozzle rather than in flight to the substrate, where they can be disturbed by air turbulence above the media.

Acuity LED with 6-colors

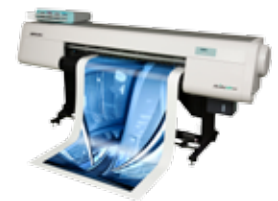*Standard CMYK printer*

Fujifilm Uvijet inks

Uvijet ink systems are renowned in the industry through Fujifilm's high-productivity wide format printers. Made using Fujifilm's Micro-V ultrafine dispersion technology, enabling higher pigmentation, they produce strong, vibrant images and a wide color gamut. The Acuity LED UV's dedicated eight-color UV LED ink set includes both white and clear. The Acuity LED 1600 can apply colors, white or clear in a single pass, offering a host of creative possibilities.

Specifications

Printing technology	LED UV inkjet
Max Media Width	63.7" (1620 mm)
Max Print Width	63.3" (1610 mm)
Max Substrate Thickness	Roll: 0.04" (1 mm)
	Rigid: 1/2" (13 mm)
Max Print Speed	215 ft²/hr (20 m²/hr)
Printhead	FUJIFILM Dimatix Q-class printheads
Ink	Fujifilm Uvijet LL LED UV curable ink
	8 colors (cyan, magenta, yellow, black, light cyan, light magenta, white, clear)
Physical Dimensions*	127" (W) x 31" (D) x 60" (H)
	3,220 mm (W) x 780 mm (D) x 1,524 mm (H)
Weight	Printer 617 lbs, Tables 110 lbs (Printer 280 kg, Tables 50 kg)
Power	AC 100-120V, 200-240V, 50/60Hz
Network	USB 2.0

Acuity LED 1600
Shown with standard flatbed tables

Acuity LED 1600
Shown in roll to roll mode

* Without Tables

Print Modes & Speeds

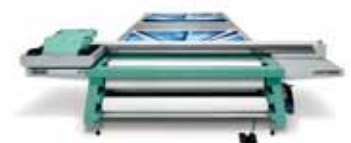| Mode	Resolution DPI	Number of Passes (Bi-Directional)	Speeds	
			ft²/hr	m²/hr
Production	600 x 500	10	215	20
Standard	900 x 800	16	140	13
Quality	1200 x 1200	24	77	7.2
High Quality	1200 x 1200	48	45	4.2

The Acuity series

All printers in the Acuity series offer supreme print quality, at production speeds and can handle a wide range of applications.

Machine	Print Speed	Bed Size	Roll
Acuity LED 1600	215 ft²/hr	63" Width	✓
Acuity Advance LT	132 ft²/hr	49.2" x 98.4"	Optional
Acuity Advance	237 ft²/hr	49.2" x 98.4"	Optional
Acuity Advance X2	246 ft²/hr	98.4" x 120"	Optional
Acuity Advance HS	433 ft²/hr	49.2" x 98.4"	Optional
Acuity Advance HS/X2	462 ft²/hr	98.4" x 120"	Optional

Acuity Advance and Acuity Advance HS
with standard bed size

Acuity Advance X2 or Advance HS X2
with double bed size

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