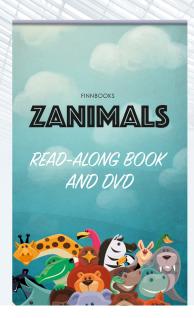# FUJIFILM

# ACUITY LED 1600R

## PRODUCT BROCHURE

- ▶ Fujifilm Dimatix Q-class industrial printheads
- ▶ Low energy consumption, long-life LED lamps (up to 10,000 hours)
- ▶ Fujifilm Uvijet RL ink set with GREENGUARD certification
- ▶ Upgrade path with various color configurations
- ▶ Excellent productivity up to 355 ft$^2$ per hour
- ▶ Media weight up to 88 lbs/ roll
- ▶ Excellent ink coverage and adhesion to a wide range of substrates
- ▶ Strong, vibrant colors
- ▶ No VOCs
- ▶ Solvent-free

# Acuity LED 1600R

# Offer your customers exceptional, vibrant prints and keep costs low

## Cost-effective LED UV technology

Acuity LED 1600R is built to produce exceptional print results in the most environmentally friendly way, with low-energy LED UV curing technology. LED lamps consume far less energy than conventional UV and last up to ten times longer, having a positive impact on the total cost of ownership. And with no drying time required, prints come off the printer ready to be finished and shipped.

## Robust build, reliable production

Acuity LED printers are built for continuous printing. Some owners even run them 24/7. Fujifilm Dimatix printheads are precise, fast, and have a track record of long service life. Acuity LED 1600R offers an impressive speed-to-quality ratio.

## High-impact, vibrant images

Acuity LED 1600R delivers outstanding quality prints. Images are vibrant and high impact with strong ink density for backlit applications, while low ink consumption means low cost-in-use. Achieve sellable quality at 215 ft$^2$/hr for closer viewing distance, or 355 ft$^2$/hr for more than 5 meter viewing distance.

## Wide application range

Produce a wide variety of applications on a broad range of roll-to-roll material – including uncoated media – such as display graphics, signage, decals, environmental graphics and interior decoration. LEDs produce very little heat, which means they can work with heat-sensitive media without deformation or shrinkage.

## Easy upgrade path

Start off with a basic CMYK color configuration. Upgrade to light inks to achieve smoother tonal images and add a white ink channel for printing on clear and colored materials. This flexibility means the Acuity LED 1600R can grow with your business and makes it a perfect entry-level machine.

# Versatile, efficient, high-quality production

### Fujifilm print system technology
The inks, printheads and LED curing system are Fujifilm technologies. They are accurately tuned to deliver brilliant images at speed.

### Fujifilm Dimatix printheads
These high-performance printheads are precise, fast, and have a track record of long service life.

### LED UV technology
LED UV lamps use a fraction of the energy of conventional curing systems, produce no wasted heat and are safe to work with. LEDs produce very little heat, which means they can work with heat-sensitive media such as thin films.

### Prints are immediately dry
LED UV cures the ink instantly so there is no need to wait for the print to dry before finishing or shipping.

### High-impact Uvijet inks
Fujifilm's Micro-V ultrafine dispersion production technology produces inks with high pigmentation for strong, vibrant images and a wide color gamut.

### Print on a wide range of flexible media
Fujifilm Uvijet inks offer excellent adhesion to a wide range of standard roll media.

### Near photographic quality images
Achieve smooth tones and outstanding close-up clarity thanks to optional light inks, variable drop printheads and dot gain control.

### White ink channel upgrade
Expand into creative applications. High density white ink can be used to produce creative effects on clear and colored media. Colors and white can be printed simultaneously.

### Light ink channel upgrade
Light inks enhance color reproduction, producing smooth tonal images like skin tones, vignettes and lighter solid colors.

### Print mode options
A range of print modes are available to provide different levels of quality and speed, depending on the specific job requirements. The fastest print mode offers up to 355 ft$^2$/hr.

### Easy installation
As there is no wasted heat, VOCs or ozone, the printer can be installed in any production environment without dedicated extraction.

### Low maintenance
LED UV inkjet requires minimal daily maintenance.

### Fast startup
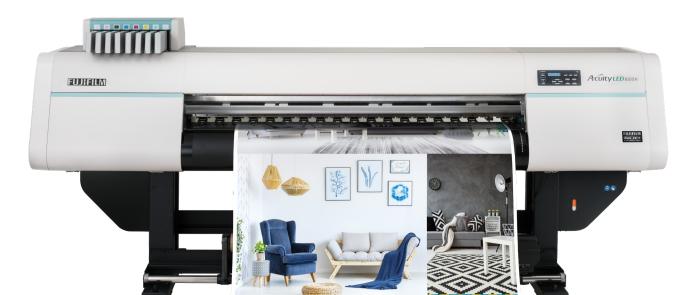LED UV requires no lamp warm-up time, so printing can start immediately.

### Reusable cartridge system
The disposable foil ink pouch is contained by a reusable plastic ink cartridge holder, reducing waste.

### Environmental certification
Uvijet RL inks meet the exacting demands of GREENGUARD Gold certification.

GREENGUARD
PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

## Technical specification

| Acuity LED 1600R | | |
|---|---|---|
| Printing technology | | LED UV inkjet |
| Media | Width | 8.2 - 63.7 inches, maximum print width: 63.3 inches |
| | Thickness | 0.04 inches (1mm) |
| | Roll weight | Up to 88 lbs (40kg) |
| | Roll diameter | 8.2 inches or less |
| Ink | | Fujifilm Uvijet RL LED UV curable ink (600 ml pouch). GREENGUARD Gold certified. |
| Color channels | | Standard: CMYK, CMYKLcLm Upgrade: CMYKW, CMYKLcLmW |
| Printheads | | Fujifilm Dimatix Q-class printheads, CMYKLcLm- 11pl, 21pl, 37pl  White - 30pl and 60pl |
| Interface | | USB |
| RIP recommendation | | Caldera / ColorGATE Production Suite |
| Operating environment | | 68-86°F (20-30 °C), 3-65% RH non-condensing |
| Power requirements | | Single phase AC 200 - 240 ±10%, 50/60 Hz ±1 Hz, 18 A or less, 1 kW |
| Dimensions (l) x (d) x (h) | | 126 x 32.6 x 57 inches |
| Weight | | 661 lbs (300 kg) |

## Print modes and speeds

| Mode | No. of passes | Resolution (dpi) | Max speed (ft²/hr) |
|---|---|---|---|
| Express | 6 pass bi-di | 300 x 600 | 355 |
| Production | 10 pass bi-di | 600 x 500 | 215 |
| Standard | 16 pass bi-di | 900 x 800 | 140 |
| Quality | 24 pass bi-di | 1200 x 1200 | 86 |
| High Quality | 48 pass bi-di | 1200 x 1200 | 45 |

# FUJIFILM

**FUJIFILM North America Corporation, Graphic Systems Division**
Phone: 800•877•0555 • Web: www.fujifilmgraphics.com

**For further information:**

Please contact your local Fujifilm partner.

**Email:** contactgraphics@fujifilm.com   **YouTube:** WatchFujifilm   **Twitter:** @FujifilmGS