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Acuity LED 3200R: Overview

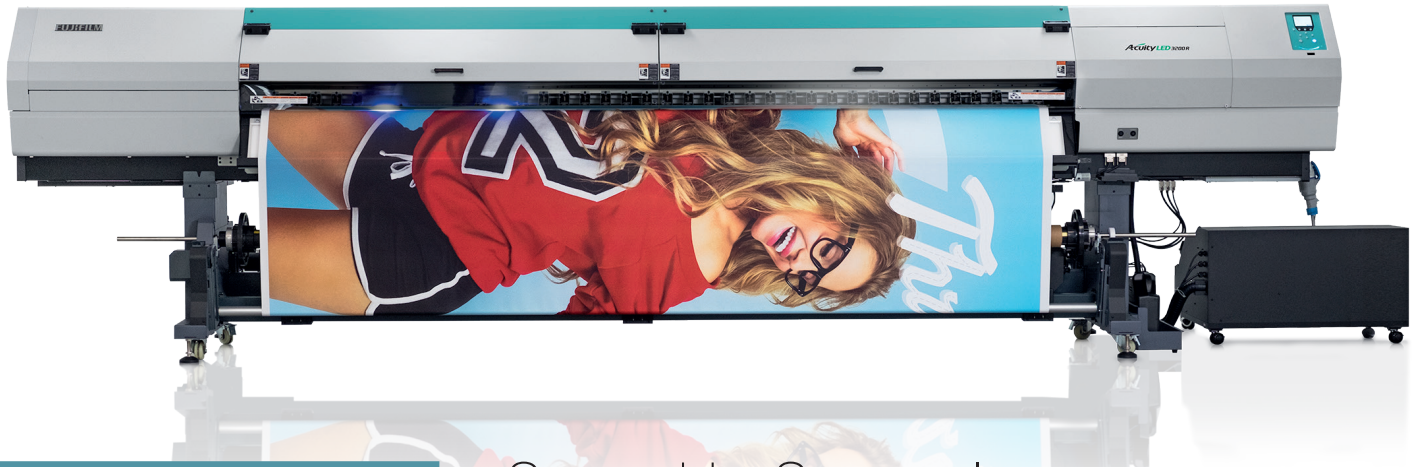
Cost-effective superwide printing with LED UV technology

Produce high quality superwide display and exhibition graphics in the most cost-effective way. With low energy LED UV curing technology, the Acuity LED 3200R delivers excellent production efficiency with impressive productivity.

Key features

- 126” (3.2m) print width
- Up to 1,184 ft²/hr (110m²/hr) productivity
- 7 picoliter piezo inkjet printheads
- Up to 220.5 lbs. (100kg) roll weight
- Fujifilm Uvijet LF inks
- LED UV curing system (5000+ hours lamp life)
- Backlit print proofing panel
- Print quality management system
- Dual roll printing function as standard
- Productivity options
- Modular ink channel configuration

Acuity LED 3200R



Ideal for these flexible media applications

- Pop-up displays
- Wall graphics
- PVC & textile banners
- Backlit graphics
- Posters
- Murals
- Floor graphics
- Window decals
- Customized wallpapers
- Exhibit & museum graphics

Superwide. Super value.

Excellent value for money

If you're producing any graphics over 63" (1.6m) wide, you can't afford not to own the Acuity LED 3200R. The cost of this superwide printer is close to that of smaller format machines, so you get a lot for your money.

Great return on investment

You don't need high volumes to make this printer pay for itself, so if you're thinking of expanding into superwide this is the ideal machine for your business.

Ultra-efficient and cheaper to run

LED UV technology uses less power and produces less heat than conventional UV curing and other processes. Compared to solvent-based printers the output is very low odor and no dedicated extraction is required. Running costs are low.

Produce a wide range of applications

With specially formulated Fujifilm Uvijet inks, you can print on a wide range of display materials. Even some specialty materials like polyester textiles and heat sensitive media print well due to no heat exposure during the LED UV curing process. Images are crisp and vibrant. Backlit images are stunning.

Less maintenance

Acuity LED 3200R starts up quickly and is ready to run in minutes. Routine maintenance is minimal. Robust industrial grade printheads have a long service life and don't need to be routinely replaced.

Ultra-efficient, high quality printing

LED UV technology
LED UV uses a fraction of the energy of conventional curing systems and produces no heat. The process is solvent-free and produces little odor, so the Acuity LED 3200R can be used in most working environments without dedicated extraction.

Uvijet ink technology
Fujifilm Uvijet ink systems are renowned in the industry through Fujifilm's high-productivity wide format printers. Uvijet produces a low-build ink film with excellent coverage and adhesion, high density vibrant backlits and a durable finish.

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

Low maintenance
LED UV inkjet requires minimal daily maintenance.

Print heat-sensitive media
LED UV curing lamps do not produce heat like other inkjet drying processes. This makes it possible to print on heat-sensitive media.

Instantly cured - immediate processing
The thin ink film is immediately cured and ready for shipping or further processing.

High capacity ink delivery
A bulk ink system holds 3 liters of ink per channel, so you spend less time replenishing ink to keep up with high productivity printing.

Print quality management
This system enables full quality printing to continue without running a cleaning cycle. It is perfect for getting rush jobs completed without compromising quality. Missing or defective printhead nozzles are automatically detected and cleaned. Nozzles that don't clear automatically are replaced by other functioning nozzles.

A wide range of applications
Fujifilm Uvijet inks offer excellent adhesion to a wide range of flexible media up to 126" (3.2m) wide.

Vibrant backlit images
Produce high density backlit prints with excellent color saturation at high speed.

Proof backlit prints on the fly
A built-in LED panel allows backlit prints to be checked on the fly, so there is no reduction in uptime. This enables any errors to be quickly spotted and corrective steps to be taken, saving time, ink and media waste.

Simultaneous dual roll printing
Achieve maximum production efficiency by printing on two rolls at the same time. Print the same job or different jobs, nested images, duplicates or tiled images.

High productivity printing mode
A 1,184 ft^2/hr (110m^2/hr) printing mode enables the production of a 125" x 165" (3.2 x 4.2m) banner in just 7 minutes. The quality in this mode is suitable for installations with a longer viewing distance.

Outstanding print quality
Produce very high quality images at up to 646 ft^2/hr (60m^2/hr), thanks to small drop piezo printhead technology, unique waveform control technology and a dynamic print quality management system.

Device options
Several optional kits that can help to increase the application range are available, including:

Static suppression option: Removes static electricity charge that can affect print quality on materials like PVC.

Soft media feeding option: For optimal, stable printing on thin or soft materials that could tear or crease when moving through the printer.

Media lifter option: Easily load and unload large rolls.

Lights and white ink options
The standard color configuration is CMYK and there are several modular upgrade options to add further color channels to suit your production needs. Light ink for smooth tonal ranges and white ink for creative applications on transparent and colored substrates. Print color-white-color layers in one pass for two-sided images on trans-parent materials.

Technical specification

Acuity LED 3200R			
Printing technology			LED UV inkjet
Media	**Max print width**		126” (3200mm)
	Media width	**max**	Single roll: 128” (3,250 mm) | Twin rolls: 60” (210 mm) x 2
		minimum	Single roll: 8.28” (210mm) | Twin rolls: 8.28” (210mm) x 2
	Max thickness		1.0mm (.039”) or less
	Max media weight		220.5 lbs (100kg) or less with take-up & feeding unit | 37.9 lbs (18kg) or less with roll holder
	Media diameter	**max**	7” (180mm) or less
		inner tube	3” with feeding unit | 2” or 3” with roll holder
Ink	**Type**		Fujifilm Uvijet LF LED UV curable ink
	Packaging		1 liter bottle (Up to 3 liters per ink channel of the bulk system)
	Configuration		4 channel: CMYK / 7 channel: CMYKLcLmW
Printheads			4 piezoelectric printheads with four channels each
Interface			1000Base-T or USB 2.0
RIP			Fujifilm AL-RIP, Caldera version 10 and 11, or ColorGATE Production Server 10
Operating environment			68-86°F (20-30°C), 35-65% RH non-condensing, ±10 air changes per hour
Power requirements			AC 200-240V ±10%, 50/60Hz, 18A or less
Power consumption			4.3kW maximum
Dimensions (W x L x H)	**Excl. ink supply unit**		213” x 39” x 57” (5.4 x 1 x 1.44 m)
	Incl. ink supply unit		224.5” x 47.5” x 57” (5.7 x 1.2 x 1.44 m)
Weight			2,000 lbs (910 kg)

Print modes and speeds (CMYK)

Media	Mode	Passes	Resolution (dpi)	Max speed ft^2/hr (m^2/hr)
Banner	Express	2 pass bi-di (normal)	600 x 300	1,184 ft^2/hr (110m^2/hr)
	Production	4 pass bi-di (normal)	600 x 300	646 ft^2/hr (60m^2/hr)
	Standard 1	6 pass bi-di (normal)	900 x 300	431 ft^2/hr (40m^2/hr)
	Standard 2	8 - pass bi-di (normal) 8 - pass bi-di (high)	900 x 300 600 x 600	323 ft^2/hr (30m^2/hr)
	Quality	12 pass bi-di (high)	900 x 600	215 ft^2/hr (20m^2/hr)
	High quality	16 pass bi-di (high)	1200 x 900	118 ft^2/hr (11m^2/hr)

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