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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

- 3200mm print width
- Up to 110m²/hr productivity
- 7 picolitre piezo inkjet printheads
- Dual roll printing function as standard
- Up to 100kg roll weight
- Fujifilm Uvijet LF inks
- Modular ink channel configuration
- LED UV curing system (5000+ hours)
- Backlit print proofing panel
- Print quality management system
- Productivity kit options

Acuity LED 3200R

Superwide. Super value.

Excellent value for money

If you're producing any graphics over 1.6m, 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

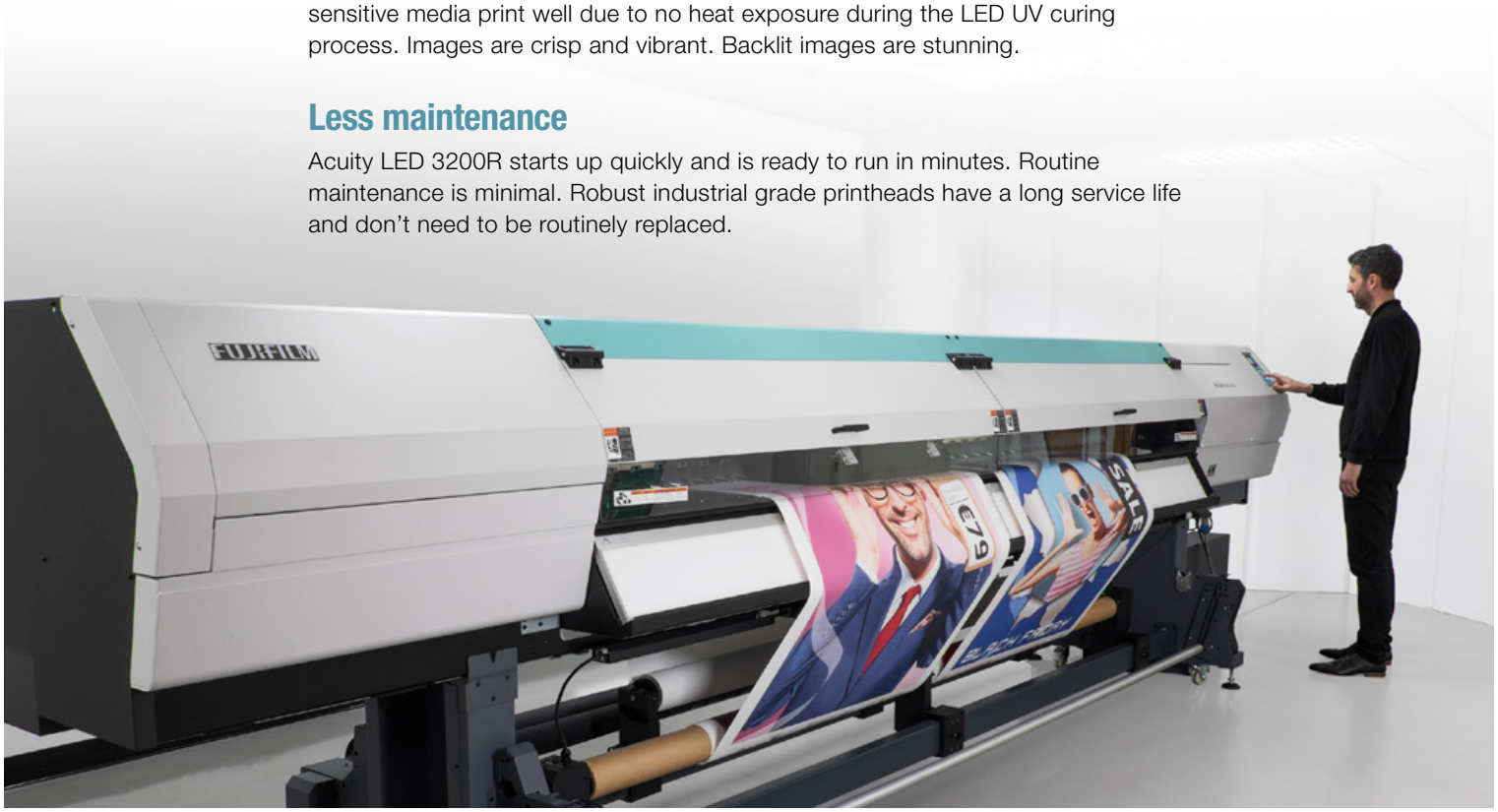
LED UV technology uses less power and produces less heat than conventional UV curing and other processes. Compared to solvent-based printers the output is very low odour and no dedicated extraction is required. Running costs are low.

Produce a wide range of applications

With specially formulated Fujifilm Uvijet inks, you can print on a wide range of display materials. Even some specialist 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 odour, 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.

Lights, white and clear ink options
The standard colour configuration is CMYK and there are several modular upgrade options to add further colour channels to suit your production needs. Light ink for smooth tonal ranges and white and clear ink for creative applications on transparent and coloured substrates.

Colour-white-colour layers
Print colour-white-colour layers in one pass for two-sided images on transparent materials.

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.

Outstanding print quality
Produce very high quality images at up to 60m²/hr, thanks to small drop piezo printhead technology, unique waveform control technology and a print quality management system.

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 3.2m wide.

Vibrant backlit images
Produce high density backlit prints with excellent colour 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 110m²/hr printing mode enables the production of a 3.2 x 4.2m banner in just 7 minutes. The quality in this mode is suitable for installations with a longer viewing distance.

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

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

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

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

3.2m roll shaft: Prevents crease formation in materials that tend to generate creases when using a media stand.

Media lifter: Easily load and unload large rolls up to 200kg.

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.

Technical specification

Acuity LED 3200R			
Printing technology			LED UV inkjet
Media	**Max print width**		3200mm
	Media width	**Maximum**	3250mm (when using roll holders: single set: 1,620mm, twin-roll: 2 x 1524mm)
		Minimum	210mm (twin-roll: 2 x 210mm)
	Maximum thickness		1.0mm or less
	Maximum weight		100kg with large drive shaft / 18kg with small drive shaft
Ink	**Type**		Fujifilm Uvijet LF LED UV curable ink
	Packaging		1litre bottle (bulk ink system takes up to 3 litres per channel)
	Configuration		4 channel: CMYK / 7 channel: CMYKLcLmW / 8 channel: CMYKLcLmWCl
Printheads			4 heads with four channels each
Interface			USB 2.0 and TCP/IP
RIP			Fujifilm AL-RIP, ColorGATE Production Server 10, Caldera version 10 and 11
Operating environment			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)	**Excluding ink supply unit**		5.41 x 0.995 x 1.44m
	Including ink supply unit		5.68 x 1.22 x 1.44m
Weight			910kg

Print modes and speeds (CMYK)

Media	Mode	Passes	Resolution (dpi)	Max speed (m²/hr)
Banner	Express	2 pass bi-di (normal)	600 x 300	110
	Production	4 pass bi-di (normal)	600 x 300	60
	Standard 1	6 pass bi-di (normal)	900 x 300	40
	Standard 2	8 - pass bi-di (normal) 8 - pass bi-di (high)	900 x 300 600 x 600	30
	Quality	12 pass bi-di (high)	900 x 600	20
	High quality	16 pass bi-di (high)	1200 x 900	11

For further information:

Please contact your local Fujifilm partner.

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