

**Quality, Speed
& Value Without
Compromise**

Acuity
**Prime
Series**

Product Guide



Why Fujifilm?

Fujifilm believes that our collective future of print is based on dynamic collaboration. Therefore, you deserve a partner who understands where you have been, where you are currently, and where you want to go. Fujifilm's business is anchored to the traditions of our industry and the historical relationship we have with the print community. When we combine our history of innovation and our commitment to product development with our enthusiasm for our customers' success, together we can achieve any vision you have for your company.

The image shows the letters 'FUJIFILM' in a large, bold, 3D font. The letters have a grainy, textured appearance, similar to film grain or a coarse fabric. They are set against a dark, almost black background. The lighting creates highlights and shadows, giving the letters a three-dimensional effect. The letters are arranged in a single row, with 'FUJIFILM' being the first part of the word.

History of Innovation

The Fujifilm difference is supported by 4 pillars of strength. Our long history and countless milestone achievements are proof of both our longevity and dedication to this amazing industry. Fujifilm grew up in this business and there is no substitute for the collective experiences we have had and the depth to our understanding of the business. Our portfolio truly spans the entire print industry and is purely the result of the other pillars. Our history of innovation drives a culture of progress.

Global Strength

The culture within Fujifilm is rooted in respect and innovation. The care with which we engage clients and investment in solutions has been critical to our ability to create advances in technology and infrastructure. Being devoted to traditional business processes allows us to align with traditional hierarchy while also being innovative and disruptive. Our approach is born from mutual respect for others and a willingness to drive change.

Local Partner

Fujifilm Graphic Communication Division (GCD) is full of passionate team members. While globally, Fujifilm invests in Research & Development at a frenetic pace (\$7 million dollars per day), locally, Graphics Communication Division (GCD) embraces a culture of relentless service & support. When it comes to innovation, we develop all our technology in house including printheads, inks, inkjet technology and image processing systems. And there is no better place to witness this than our remarkable Innovation Lab. Located in our North American Headquarters in Hanover Park, Illinois, just 30 minutes west of Chicago, the Fujifilm Graphics Innovation Hub (GIH) is here to showcase for you the newest innovations from Fujifilm's Graphic Communication Division. The GIH demonstrators have industry experience and are experts in the operation and use of our print equipment.

Broad Portfolio

The Fujifilm portfolio is broad and is the result of our history of innovation, our corporate reach, and our local connections. The breadth of our portfolio aims to fulfill every sector of the print market and continues to grow as our customer's needs grow. We aim to support the most progressive leaders, the maniacally detailed operators, the environmentally conscious, and the creatives that realize the impact that print can have on brand equity.



Better By Design

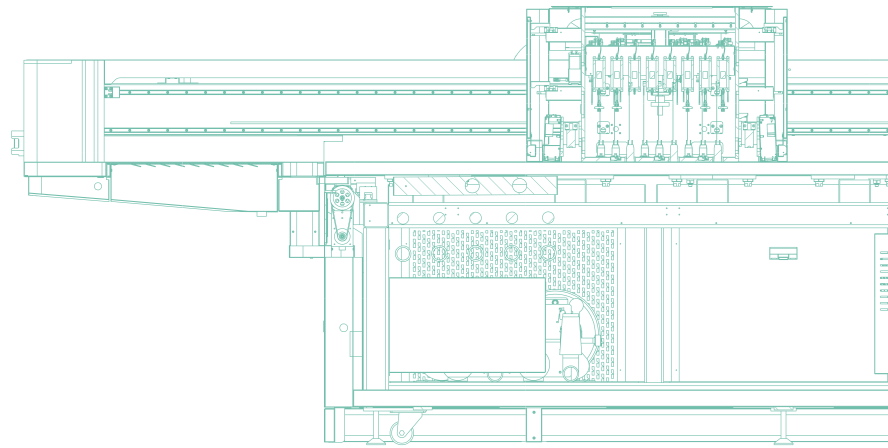


The Acuity Prime, Acuity Prime L and Acuity Ultra R2 have all been recognized for excellence in product design.



The new blueprint for wide format.

With this project, we gave ourselves the freedom to go right back to first principles, and that led us to create something quite different from anything either we – or anyone else – had created before.



Good design starts with understanding

By seeking to understand everything, from the long-term business goals, to the day-to-day frustrations of the customers we serve, we give ourselves the best starting point for good product design.

That was where we began when we set out to redesign our Fujifilm Acuity range. We talk to our customers all the time, troubleshooting, consulting and offering technical support. But for this project we needed deeper conversations and more time in which to have them.

This wasn't a box-ticking survey sent out by email – this was our designers (a specialist industrial design agency, Realise Design, whom we'd appointed to support the Tokyo Design Team) shadowing our customers as they worked, looking for a thousand small ways to optimize their working experience – and therefore their businesses.

We looked at how improved product design could lead to improved usability, to enhanced performance and to a better ROI. The result was the launch of a brand new range of Acuity machines in 2021, that defined a 'new blueprint for wide format'.

This range now features dedicated roll and flatbed printers, along with a growing range of hybrid platforms.

The best combination of productivity and quality

Common to all printers in Fujifilm's wide format range is the ability to produce the very best quality at the highest productivity. This means you can turn around high quality jobs faster than your competitors, and coupled with low ink consumption, represents an excellent return on investment.

Speed and quality have been engineered into these workhorse printers, and is partly due to the greyscale piezoelectric printheads that produce near-photographic print quality.





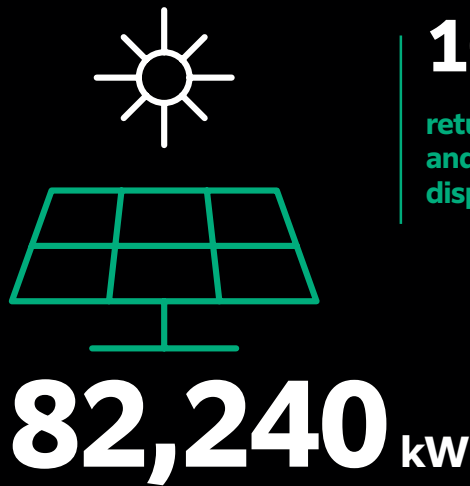
Instant printing without warm-up

When a valuable rush job comes in, the last thing you want to do is wait for your printer to warm up. Most Fujifilm wide format printers offer instant-on capability through their LED curing systems. Start-up time is typically less than 5 minutes from power on until nozzle check is ready. In addition, shut down time for most printers is also less than 3 minutes, including shutdown maintenance.

Focusing on a greener future



Fujifilm's ink R&D and manufacturing facility in Broadstairs, Kent, has regularly made the news as a four-time winner of the UK's Best Factory Award, but it is for its sustainability initiatives that it is now rapidly creating waves. The facility has implemented a wide range of initiatives to accelerate change towards a more sustainable operation.



of power was produced from our solar panels in June 2022, that's enough to power a typical UK household for 26 years

This is also 181% more power than the 29,185 kW produced in June 2021

1000 liter IBCs

returned for cleaning and reuse, rather than disposing of them

100%

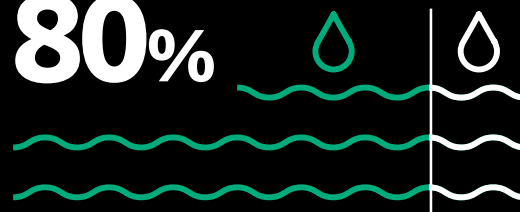
of our raw materials packaging is reused and recycled

We've saved **1 million** kW per year

on conventional energy by turning our factory HVAC (heating, ventilation and air conditioning) systems off overnight



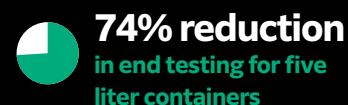
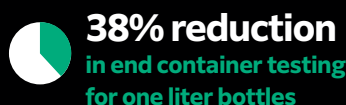
80%



we replaced our oil-based solvent cleaner with an 80% water-based (aqueous) cleaning solution, combined with a 'world-first' pot washing machine



In R&D we have achieved a...



We have also cut back on the use of one, two and three liter pouches by 29%, 33% and 20% respectively

Superb dot reproduction and bright vivid colors

Color is the most important aspect of an ink; prints with rich color have more impact and are more saleable. What's more, a printer needs a wide color gamut for faithful reproduction of images and to match spot colors.

Our Uvijet inks feature Fujifilm's proprietary Micro-V dispersion technology. This enables high concentrations of color pigment to be effectively dispersed and stabilized, resulting in brilliant results in the final printed product.

Reassuringly consistent results

To achieve high quality images and beautiful, vibrant colors time and time again, not only must the inks be of an exceptionally high standard, the formulations must be ultra-consistent. Our Uvijet inks are manufactured to incredibly exacting standards. Quality assurance at our award-winning ink manufacturing facility is second-to-none; we only use raw materials that are consistently of the highest grade, which helps to ensure that every batch of ink we create is exactly the same as the last.

Micro-V dispersion technology

Micro-V is a unique Fujifilm technology that breaks down pigment particles and ensures they are held in stable dispersion in the ink. It enables high concentrations of color pigment to be effectively dispersed and stabilized, resulting in an ink with high color intensity that resists both agglomeration and gravitational settling – so the ink has high color strength as well as being stable and reliable.

A proprietary Fujifilm dispersion technology is used to coat the individual pigment particles that are separated during the dispersion process. This coating gives the particles a tendency to repel each other and therefore prevents pigment agglomeration. A molecular bonding agent is used to provide a link between this dispersion coating and the ink binder, or 'vehicle', in order to stabilize the pigment particle in the fluid and prevent gravitational settlement.

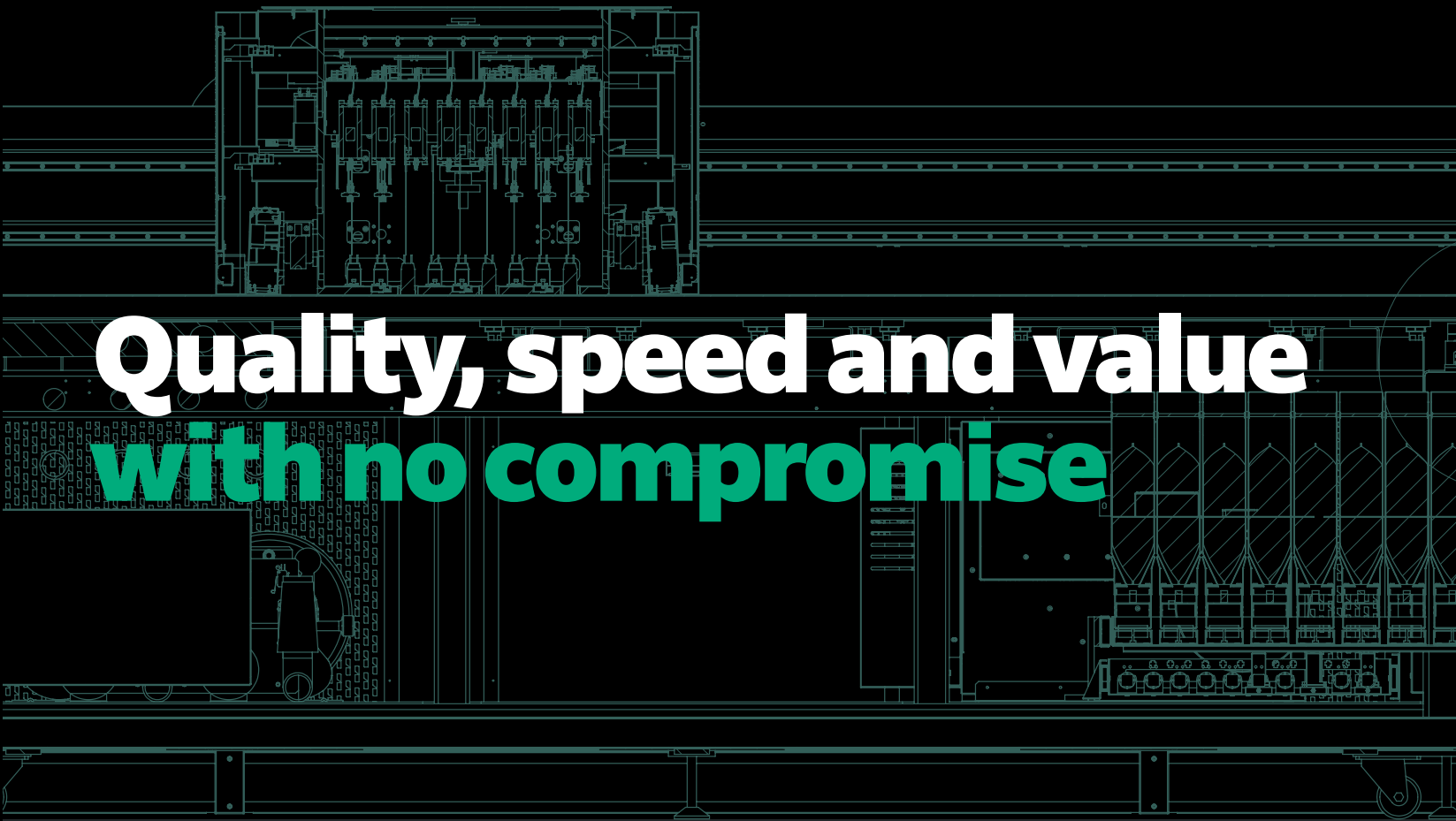
After Micro-V dispersion, pigment particles have an average particle size of less than 200 nanometres – 0.2 microns. They start roughly the size of a grain of salt and are ground down in size to smaller than a human cell.

Fujifilm pioneered UV inkjet printing, and has the highest number of patents for UV inkjet ink



Acuity Prime

The most economical and versatile Acuity flatbed ever.



Quality, speed and value with no compromise

A true flatbed with an award-winning design, the Acuity Prime offers high quality printing on a range of rigid and flexible media, supported by dedicated vacuum zones and jettable primer. It is available at a cost effective price point and offers an excellent return on investment.

The Acuity flatbed platform has been the industry benchmark since 2007 with thousands of machines installed worldwide. The Acuity Prime features the very latest LED UV technologies to deliver unbeatable performance, along with the quality and reliability you would expect from Fujifilm.

The Acuity Prime produces the best-in-class quality at the highest productivity on a wide range of rigid and flexible media.

Acuity Prime

Why Acuity Prime?



Lower ink use and excellent cost of ownership ensure unbeatable ROI



Produce the best flatbed quality at the highest production speeds



Operators benefit from an award-winning design that improves usability



Voice of Customer



“

One of the great things about the Acuity and why we chose it was the clear varnish, the spot varnish and the white ink. We also do a lot of customization and we can variable print anything on this machine. The ease of use, quality and speed of this machine is exactly what we needed.”

Tyler Koontz -Vice President of Operations
Tactive

Expand your creative options

The option to print with white and clear inks, and to print directly to almost any material in perfect registration, enables the Acuity Prime to produce high value, creative work that could offer opportunities for new revenue. With the jettable primer option, the Acuity Prime can adhere to a wide variety of industrial media.

With outstanding image quality and excellent adhesion to a broad range of rigid and flexible media, materials and objects, the Acuity Prime can produce an amazing variety of printed products for distance and close viewing at ultra-high speeds. The vacuum table can handle almost any sheet material. It secures rigid and flexible media and holds it perfectly flat for high quality print across every sheet.

Key features:

- High resolution greyscale printheads
- Standard (2.54 m x 1.27 m)
- Up to 150 m²/hr throughput
- Registration pins
- 5 dedicated vacuum zones to minimize masking
- Powerful instant curing LED UV system
- Fujifilm Uvijet LED UV curing inks
- Standard 4 color plus white and clear, with optional jettable primer
- Automatic Printhead Maintenance System (APMS)



Acuity Prime at a glance

Visible status indicators



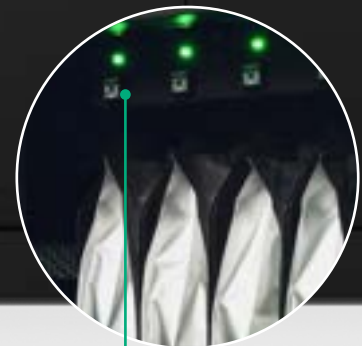
Automatic Printhead Maintenance System (APMS)



Pneumatic registration pins for quick, repeatable loading in perfect registration



Status lights for the ink tanks





Five dedicated vacuum zones
reduce bed masking

A new and user-friendly GUI

Acuity Prime

Acuity Prime 20 & 30

Technical specifications

Acuity Prime		Acuity Prime 20		Acuity Prime 30	
Rigid media	Max size	50" x 100" (1.27 m x 2.5 m)		50" x 100" (1.27 m x 2.5 m)	
	Max thickness	2" (51 mm)		2" (51 mm)	
	Max print area	50" x 100" (1.27 m x 2.5 m)		50" x 100" (1.27 m x 2.5 m)	
	Max weight	9 lbs/ft ² (45 kg/m ²)		9 lbs/ft ² (45 kg/m ²)	
Ink		Fujifilm Uvijet HM LED UV ink curable inks		Fujifilm Uvijet HM LED UV ink curable inks	
Configuration		4 channel - CMYK 5 channel - CMYK + W, CMYK + CL (or CMYK + P) 6 channel - CMYK + CI + W (or CMYK + P + CI)		4 channel - CMYK 5 channel - CMYK + W, CMYK + CL (or CMYK + P) 6 channel - CMYK + CI + W (or CMYK + P + CI) 7 channel - CMYK + W + P + CI	
Curing system		Long lasting, low energy LED curing system		Long lasting, low energy LED curing system	
Printheads		Ricoh Gen 5 greyscale, variable drop 7 - 21 pl		Ricoh Gen 5 greyscale, variable drop 7 - 21 pl	
Printing resolution		Maximum 726 x 1,200 dpi (8 pass)		Maximum 726 x 1,200 dpi (8 pass)	
RIP Recommendation		ColorGATE or Caldera		ColorGATE or Caldera	
Operating environment		61°F to 86°F (16°C - 30°C) 30-70% RH non condensing		61°F to 86°F (16°C - 30°C) 30-70% RH non condensing	
Power requirements		220-240 VAC, single phase 50Hz/60Hz		220-240 VAC, single phase 50Hz/60Hz	
Dimensions (L x W x H)	Printer	16 ft x 6.9 ft x 4.9 ft (4.9 x 2.1 x 1.5 m)		16 ft x 6.9 ft x 4.9 ft (4.9 x 2.1 x 1.5 m)	
Weight	Printer	3,527 lbs (1,600 kg)		3,527 lbs (1,600 kg)	

Print modes and speeds

Model	Acuity Prime 20			Acuity Prime 30			Acuity Prime L		
	33	66	100	33	66	100	33	66	100
Smoothing modes	33	66	100	33	66	100	33	66	100
Sketch	1399	1001	969	1615	N/A	1356	2174	1632	1590
Draft	743	592	495	1066	872	700	1154	958	787
Express	495	431	334	700	603	474	816	681	522
Production	377	334	248	506	463	355	591	527	391
Quality	248	226	161	355	323	237	400	392	260
Fine Art	183	172	118	269	248	172	292	279	194
*speeds in ft ² /hr									

*All values are targets and subject to change without notice. The name FUJIFILM and the FUJIFILM logo are trademarks of FUJIFILM Corporation. All other trademarks shown are trademarks of the owners. All rights reserved.

Acuity Prime L

The Acuity Prime L is a large size LED UV flatbed benefiting from all of the features of the standard Acuity Prime. It is very easy to operate, and produces high quality results at high speeds. The Acuity Prime L provides a larger size table for printers that need to combine high productivity and high quality printing on larger sheet sizes. It features 6 vacuum zones and 16 media location pins, as well as the ability to print side by side jobs with its dual zone function.



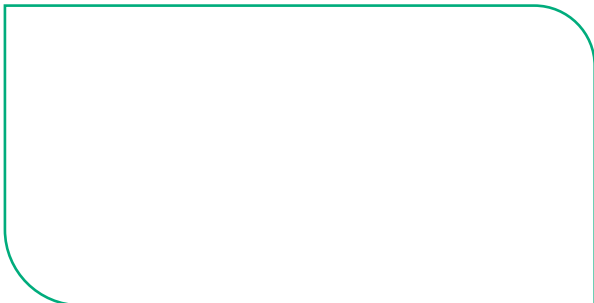
Technical specifications

Acuity Prime L	
Max print area (W x D)	126" x 78.75" (3200 mm x 2000 mm)
Max media thickness	2" (51 mm)
Max load	(45 kg/m ²)
Vacuum zone	6 zones
Roll Media Option	No
Media register pins	16 pins
	Horizontal Front 6 pins, Horizontal Back 6 pins, Vertical 4 pins
Drop size	GEN5: 7 to 21 picolitres (3 levels)
Ink configuration	CMYK + Pr + W + Cl
Layer modes	5 Layers (CMYK PrWCl)
Pouch sizes	CMYK (2L), PrWCl (1L)
Ink	Uvijet HM
Connection	USB 3.0
Power supply	35A
Air supply	Minimum pressure 90 psi / 6.20 bar
Environment	59°F to 82°F (15°C - 28°C) 30-70% Relative Humidity
Printer size (L x W x H)	18.6ft x 11.2 ft x 4.7 ft (5,626 mm x 3,413 mm x 1,400 mm)
Weight	6,600 lbs (2,400 kg)

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print-us.fujifilm.com



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