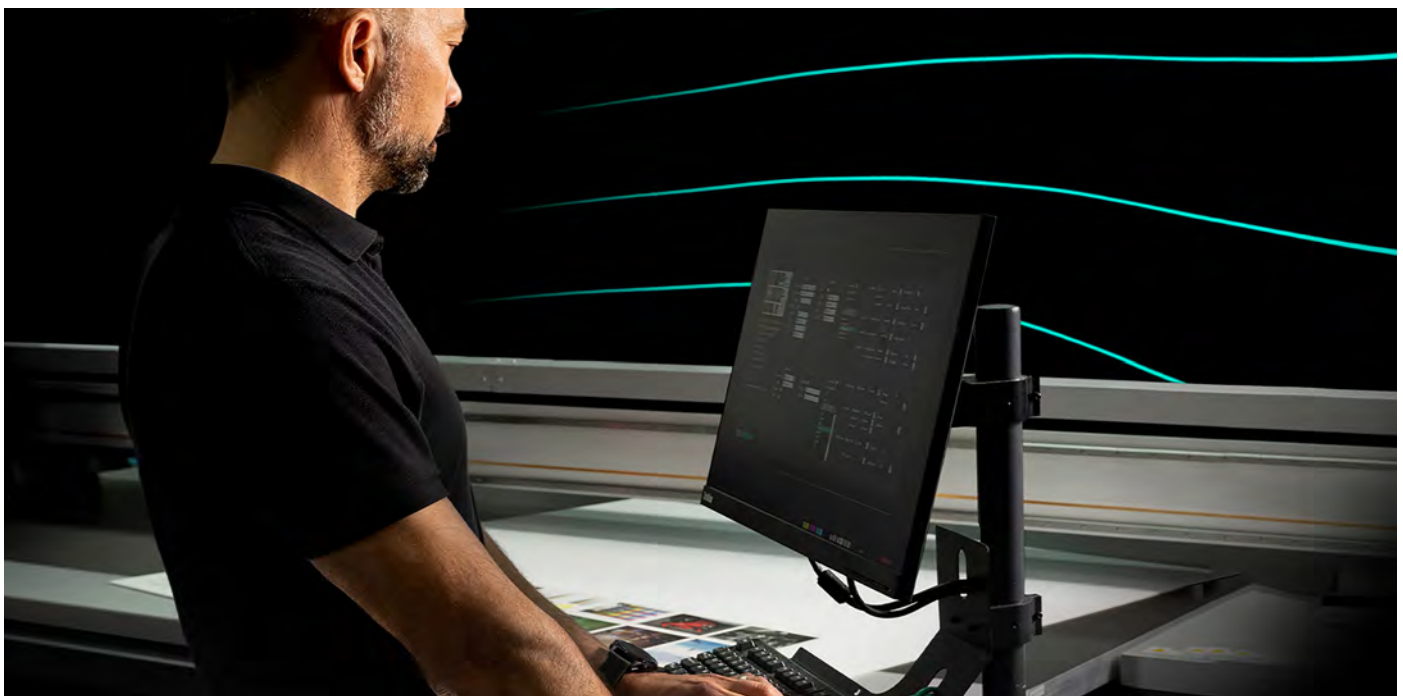
FUJIFILM
Value from Innovation

Wide Format

RANGE GUIDE



Printed on the Jet Press 750S

Discover our wide format range

Page

Why Fujifilm?

Fujifilm has a heritage in wide format that has seen us build some of the best printing systems in the industry, combined with world-class support. So put your trust in Fujifilm for your next wide format investment.

Heritage

- We have a 60 year history in screen printing and the development of high performance inks
- We pioneered UV inkjet printing back in 2000, winning a Queen's award for enterprise for commercialising the technology

Stability

- We have a diverse technology portfolio across multiple industries
- We invest significant amounts in R&D to ensure we deliver the best combination of performance and value

Support

- We have developed a world-class infrastructure to support your business, whatever the situation
- We can run remote diagnostics on your Fujifilm equipment to minimise downtime

Ink

- Our Micro-V dispersion technology, together with the highest quality pigments, delivers stable and reliable inks with high colour intensity
- We operate a multi-award-winning ink manufacturing facility in the UK, winning the Best Factory Award 4 times in the last 10 years, to guarantee quality and consistency

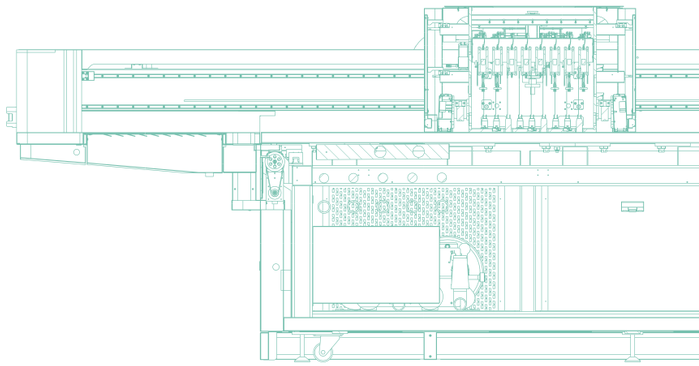
Understanding

- We have been developing UV inkjet systems for over 20 years, giving us an unrivalled knowledge of the market and applications
- Our proprietary printhead, ink and integration expertise, across multiple industry sectors, means we are well equipped to develop the best systems on the market

Better By 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.



reddot winner 2021

DESIGN AWARD 2021

GOOD DESIGN AWARD 2021

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

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 optimise their working experience – and therefore their businesses.

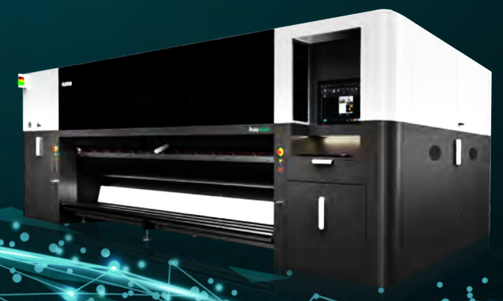
We looked at how improved product design could lead to improved usability, to enhanced performance and to a better ROI. The result was the launch of a brand new range of Acuity machines in 2021, that defined a 'new blueprint for wide format'.

This range now features dedicated roll and flatbed printers, along with a growing range of hybrid platforms. It is complemented by the HS6000, an industrial high-end platform for high volume sign and display applications.

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. The Acuity Prime series, for example, offers speeds up to 200 m²/hr on almost any rigid or flexible media, and the Acuity Ultra R2 over 600 m²/hr.



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.

Wide format support service

You can confidently put your trust in Fujifilm for your wide format investment knowing that we will support you with both pre-sale, and post-sale services.

Pre-sale support

As part of our pre-sales approach, we go through two simple steps to understand how our wide format inkjet printers can best fit within your business. This involves getting to know your business, your ambitions and where you are on your digital printing journey.

1. Proof of concept

A key part of the evaluation process is a visit to Fujifilm Speciality Ink Systems in Broadstairs, UK, which is the worldwide headquarters of Fujifilm's Wide Format Systems business. There we can demonstrate our full range of wide format printers and, based on our understanding of your business, can guide you to the appropriate model and configuration. We will show how that printer can add value to your operation and run your specific applications so that you can experience the machine in operation as you would use it.

2. Final agreement

Once you have decided on the printer that's the right fit for your business, we will agree the investment terms and conditions. This part of the process also details the service, support and training plan for you and your team.

"Our service and support teams are always ready to assist with anything you may need. From finding the printing solution that's the best fit for your business, to maximising productivity through advanced training, service and support, we are here to ensure your experience with Fujifilm meets the needs of your business."

Marc Beresford,
Head of Service and Support, Wide Format Systems

After sales support

Our commitment to delivering unrivalled after-sales support helps to build the long-term customer relationships that are a hallmark of partnering with Fujifilm.

1. Advanced operator training

Many of our customers take advantage of our advanced operator training to discover unused functionality and new applications. This can result in increased productivity, quality, and efficiency. Our data shows that those who take our advanced operating training are less likely to need service support within the first year, due to the advanced knowledge gained in running their printing system.

2. Production monitoring and operation consultancy

Monitoring is at the core of our production support. By analysing your machine operating data, we can recommend ways to get more out of your printing system. Additionally, you have access to your own analytics dashboard where you can identify the status of your machine, for example the time spent actually printing vs inactivity or maintenance. From this, you can extract valuable data allowing you to optimise productivity.

Developing market-leading wide format inks

Our state-of-the-art research and development facilities enable us to develop inks for widely used, emerging and bespoke applications. We're committed to maintaining our inks' reliability, quality and reproducibility, so our customers can always trust our supply and remain focused on their printing services, assured that our inks are consistent.

The best ink developers and manufacturers combine expertise and experience with a freedom and licence to experiment in order to develop inks in accordance with emerging printing technologies, applications, regulations and market demand.

Utilising a global infrastructure

Our large team of skilled technicians, scientists, and analytical chemists use state-of-the-art equipment to analyse raw materials, develop ink tests and diagnose problems if and when they arise. Creating our inks in-house means we have control over our formulations and manufacturing processes, and constant testing enables us to anticipate and adapt to market requirements and developments as they arise. We also evaluate novel curing methods, including the latest LED UV lamps, and everything we manufacture is subject to rigorous quality assurance processes to ensure the quality and consistency of our inks.

The best inks start with the best raw materials and Fujifilm has excellent relationships with world class raw material suppliers all around the world. These relationships mean that we are amongst the first to evaluate emerging materials and we can secure consistent supplies for large scale manufacture, even during global crises.

Sometimes, the combined demands of compliance and performance mean there is a need for a raw material solution which does not yet even exist. In these scenarios we work with the Fujifilm Synthetic Organic Chemistry Laboratory (SOCL) based in Japan, who have the capability to design and manufacture bespoke materials for many applications, including inkjet – all exclusively for Fujifilm use.

Being able to tap into this resource is a massive advantage for Fujifilm and ensures we are able to continue to formulate compliant, high performance inks no matter what challenges we face in terms of potential raw material supply issues, compliance and functionality demands.

In depth printhead understanding

Developing inkjet inks requires a deep understanding of printhead technology and here Fujifilm's proprietary knowledge and expertise gives us a massive advantage. As well as having an excellent global network of printhead manufacturers, we also work very closely with Fujifilm Dimatix and this relationship gives us unrivalled access to considerable resources when it comes to printhead and ink compatibility and functionality.

Our ongoing research and ink development for a wide range of leading modern printheads means that our understanding can be employed in a uniquely impactful and effective way. Our deep understanding of both ink and printhead, and how they work together, gives us the ability to deliver the ultimate in integration, compatibility and performance.

"Fujifilm combines a breadth and depth of in-house expertise few can rival, with an international network of collaborative partners. The end result is a wide format ink range to meet the highest standards of quality, performance and compliance."

Gemma Osborne
Research Development Section Head

Superb dot reproduction and bright vivid colours

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

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

Reassuringly consistent results

To achieve high quality images and beautiful, vibrant colours 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 colour pigment to be effectively dispersed and stabilised, resulting in an ink with high colour intensity that resists both agglomeration and gravitational settling – so the ink has high colour strength as well as being stable and reliable.

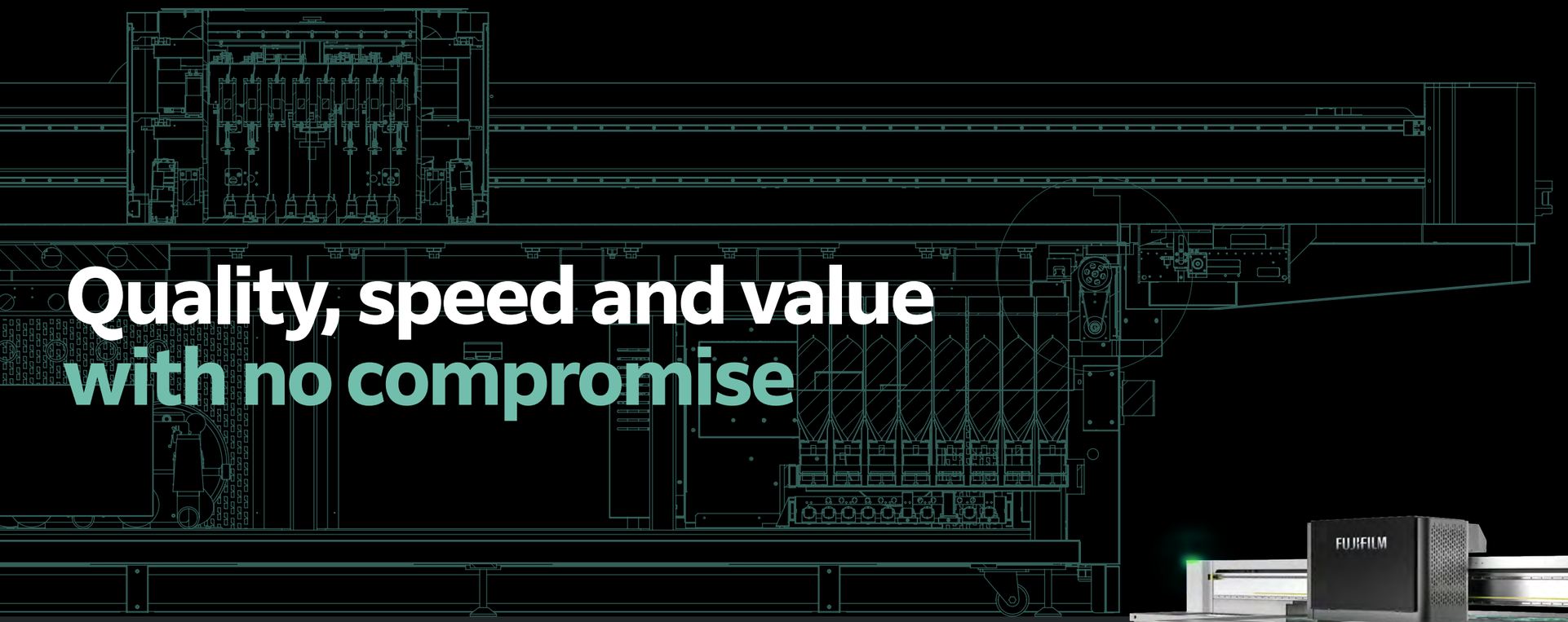
A proprietary Fujifilm dispersion technology is used to coat the individual pigment particles that are separated during the dispersion process. This coating gives the particles a tendency to repel each other and therefore prevents pigment agglomeration. A molecular bonding agent is used to provide a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

AcuityPrime

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
- Enhances productivity with its full colour gamut, even in draft mode, thanks to Fujifilm patented ink

I hate limits and I like to print on the widest possible substrates. The Acuity Prime L, with its 3200mm x 2000mm flatbed, enables us to do this."

Jan Carel Schepenaar
Director, A1 Signs

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.

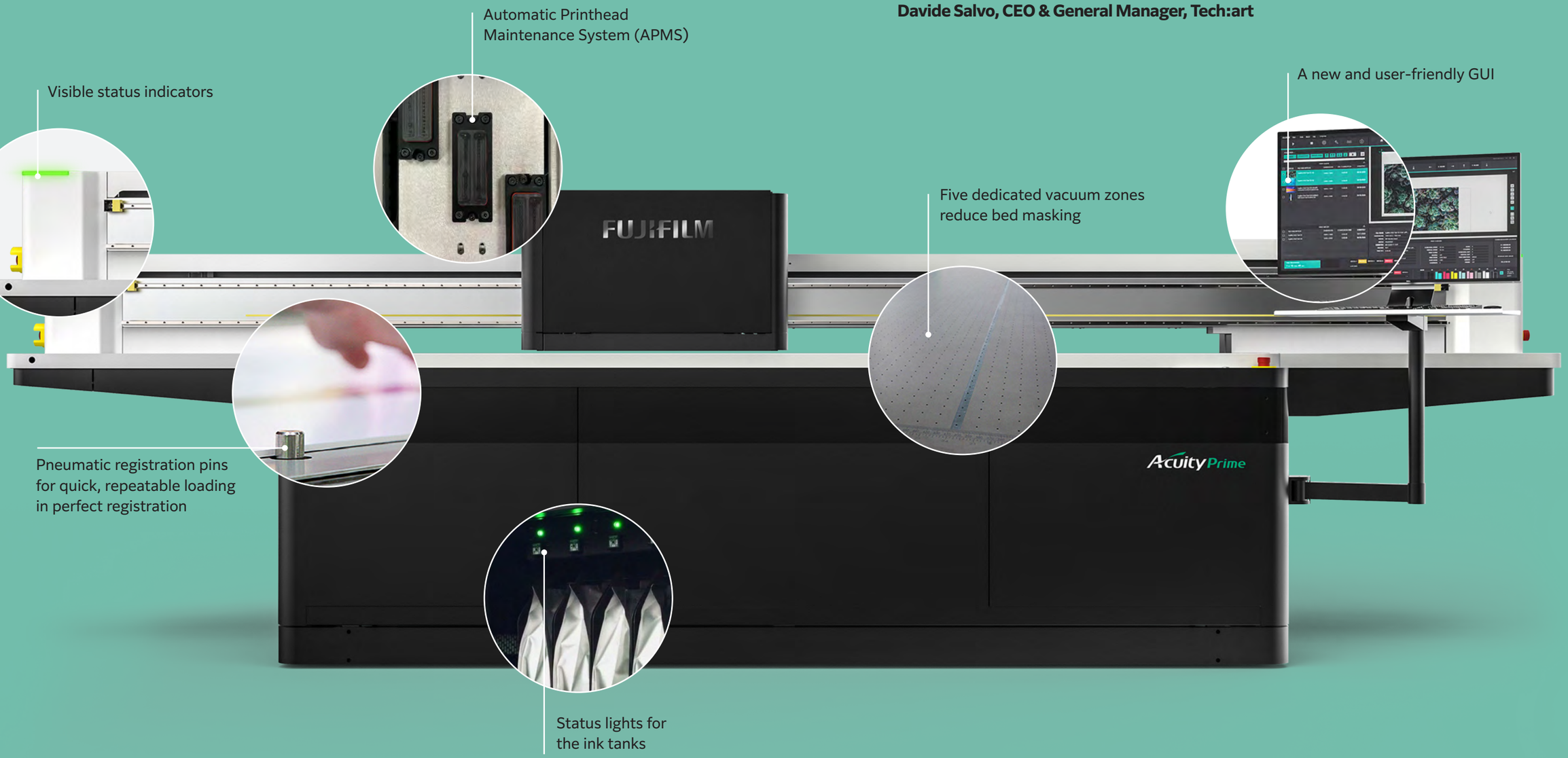
With outstanding image quality and excellent adhesion to a broad range of rigid and flexible media, materials and objects, the Acuity Prime can produce an amazing variety of printed products for distance and close viewing at ultra-high speeds. The vacuum table can handle almost any sheet material. It 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 m^2/hr throughput
- Registration pins
- 5 dedicated vacuum zones to minimise masking
- Powerful instant curing LED UV system
- Fujifilm Uvijet LED UV curing inks
- Standard 4 colour plus white and clear, with optional jettable primer
- Automatic Printhead Maintenance System (APMS)

Acuity Prime
at a glance

> **The productivity of the Acuity Prime is far beyond what we had expected and exceeds any other machine we have seen before in a similar price bracket."**
>
> **Davide Salvo, CEO & General Manager, Tech:art**



Acuity Prime

Technical specifications

Acuity Prime		Acuity Prime 20	Acuity Prime 30
Rigid media	**Max size**	2.5 x 1.27 m	2.5 x 1.27 m
	Max thickness	51 mm	51 mm
	Max print area	2.5 x 1.27 m	2.5 x 1.27 m
	Max weight	45 kg/m²	45 kg/m²
Ink		Fujifilm Uvilet HM LED UV ink curable inks	Fujifilm Uvilet 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 (Fine Art)	Maximum 726 x 1,200 dpi (Fine Art)
Operating environment		16-30°C, 30-70% RH non condensing	16-30°C, 30-70% RH non condensing
Power supply		25A	25A
Dimensions (W x L x H)	**Printer**	2.1 x 4.9 x 1.5 m	2.1 x 4.9 x 1.5 m
Weight	**Printer**	1600 kg	1600 kg

Print modes and speeds

Model	Acuity Prime 20			Acuity Prime 30			Acuity Prime L		
Smoothing modes	33	66	100	33	66	100	33	66	100
Sketch	130	93	90	150	N/A	126	204	152	147
Draft	69	55	46	99	81	65	107	89	73
Express	46	40	31	65	56	44	76	63	49
Production	35	31	23	47	43	33	55	54	36
Quality	23	21	15	33	30	22	36	35	24
Fine Art	17	16	11	25	23	16	27	26	18

*speeds in m²/hr

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	3200 mm (W) x 2000 mm (D)
Max media thickness	51 mm
Max load	45 kg/m²
Vacuum zone	6 zones
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	30A
Air supply	Pressure 0.4 MPa, 58 PSI Capacity 40/min, 1.4 CFM
Operating environment	Temperature: 15-18°C Relative humidity: 30 to 70%
Printer size	5600 mm (L) x 2830 mm (W: 3430 mm with PC stand) x 1500 mm (H)
Weight	2400 kg

Acuity Prime Hybrid

Versatile & ultra reliable

The Acuity Prime Hybrid is a mid-range LED UV wide format hybrid printer capable of printing on both rigid and roll media. The design of the printer is based on the award-winning Acuity Prime, including the printhead carriage, ink system, Automatic Printhead Maintenance System (APMS) and software interface.

The Acuity Prime Hybrid can be configured with up to 7 channels, with CMYK as standard, and optional White, Clear and Primer, and produces stunning quality print, able to produce droplet sizes down to 7pL. It handles flexible and rigid media up 51 mm thick, and roll media up to 2m wide, and benefits from an ultra-reliable and long lasting air cooled LED UV curing system.

It features a 4 zone vacuum system, and can produce print at speeds up to 141 m^2/hr. The printer is suitable for an incredibly wide range of applications, but can also be configured with an optional primer, extending the range of applications that can be printed even further.

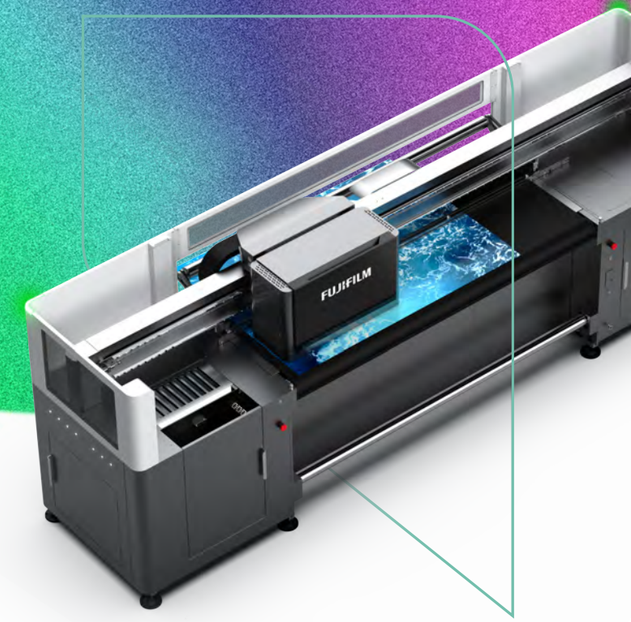
The Acuity Prime Hybrid also has a range of built-in safety features designed to maximise print uptime, which include anti-collision protection, with crash sensors deployed at both ends of the carriage, and an ioniser bar that reduces static on the media surface. Like the Acuity Prime, the printer also benefits from remote operation.

Acuity Prime Hybrid

Acuity Prime Hybrid

Key features

- Ultra-versatile, high quality printer
- Native 7 picolitre, 3 level greyscale printheads
- 2.05 m print width
- Long lasting, air cooled LED UV curing system
- 4 vacuum zones
- Uvijet HM high performance inks
- 7 channels (CMYK plus optional White, Clear and Primer)
- Up to 141 m²/hr roll-to-roll
- Prints on heat-sensitive materials
- Intuitive GUI



Technical specifications

Acuity Prime Hybrid		
Ink		Uvijet HM ink
Colour		CMYK plus optional White, Clear and Primer
Maximum printable width		2050 mm
Productivity		up to 141 m²/hr
Maximum printable length	**Rigid**	1350 mm when 1 table is connected 2120 mm when 2 tables are connected
Maximum media weight		45 kg/m²
Maximum roll diameter	**Roll**	320 mm outer diameter
Maximum media weight		100 kg / roll
Maximum media thickness		51 mm
Printer size		4292 mm x 990 mm x 1525 mm (without the table) 4292 mm x 2530 mm x 1525 mm (with the table)
Recommended operational area		8.0 m x 7.6 m
Air supply		90 psi / 6.20 bar
Weight		1500 kg (printer) 94 kg (each table)

Suitable for use with a wide range of media

Media	Category	Media
Roll	**Window display film**	PE, clear PET, PVC, etc.
	Poster sheet	Non-coated paper, coated paper, Yupo paper
	Sign & display sheet	Self-adhesive PVC, Tarpaulin, Self-adhesive vinyl, self-cling PVC, polycarbonate, SAV, banner, polyester textiles
Rigid	**Sign & display board**	PC, PVC, PET, PP, PS, Correx, Expanded plastic composite, Aluminium composite, ACM, acrylic, foam PVC, etc.
	Industrial board	A primer may aid adhesion to a variety of industrial media

Print modes and speeds

Model	Acuity Prime Hybrid		
Smoothing modes	33	66	100
Sketch	141	N/A	109
Draft	92	73	61
Express	61	53	40
Production	43	38	28
Quality	28	27	19
Fine Art	22	21	14

*speeds in m²/hr

Allen Signs becomes first business to invest in a Fujifilm Acuity Prime Hybrid to support its efficiency and expansion.

UK-based signage and vehicle livery specialist Allen Signs has become the first company to invest in Fujifilm's new Acuity Prime Hybrid printer. The ground-breaking machine is highly versatile due to its ability to handle both rigid and flexible media.

The family-run wide format business was established in 1965, and since then, has been producing a variety of different signage applications for its consumers. David Allen, the company's Managing Director, says his interest in the Acuity Prime Hybrid stemmed from its versatility and economical ink consumption. Allen comments: **"Due to our familiarity with hybrid platforms, we sought the Acuity Prime Hybrid as an opportunity to explore the Fujifilm brand further. The printer has now allowed us to carry out our normal production with minimal issues and excellent quality and ink performance."**

Allen adds that the Acuity Prime Hybrid's versatility has enabled his business to print on a wider variety of substrates more efficiently and cost- effectively. The machine is already being used to print on wall coverings, direct to board and even metallic surfaces.

Impressed by the printer's ease of use, Matt Ryder, Print Specialist at Allen Signs, says: **"We tried a job on the new Fujifilm machine, and instantly, it tracked. It was perfect. As for materials, we are yet to come across a substrate that doesn't work."**

Fujifilm has been an absolute breeze to deal with. The installation and the training were extremely quick and efficient. I'm looking forward to seeing how the Acuity Prime Hybrid printer will allow us to expand our business in the future."

David Allen
Managing Director, Allen Signs

Acuity Ultra R2

Ultra-high quality output

The Acuity Ultra R2 is a high quality, high productivity superwide platform, available in Mercury UV and LED UV curing configurations. Engineered with the operator in mind, it is designed with specialist inks to support the printing of exceptional near-photographic interior graphics and the high speed printing of banners and PVC signage.

With the Acuity Ultra R2, you get the excellent high quality, productivity and reliability our Acuity range is known for, on a massive industrial scale. High performance printheads with a 3.5 picolitre drop size ensure consistent high quality print, and are combined with excellent build quality using industrial-quality components.

The robust chassis of the Acuity Ultra R2 is a substantial construction, contributing to the 7.7 t and 4.7 t weights of each model. In addition, the linear, vibration free carriage drive, supported by a reliable feeding system, ensures accurate drop placement from first to last drop.

The Acuity Ultra R2 is a modular system with a scalable architecture, meaning it can grow and change as your business evolves.

Why Acuity Ultra R2?

- Ultra-low ink consumption for low cost-in-use and exceptional ROI
- Capable of producing ultra-high quality print at the highest production speeds
- Incorporates advanced operator features for ultra reliable, profitable printing

Our investment in an Acuity Ultra R2 has enabled us to prioritise personalisation and efficiency – while delivering on versatility and value – all while achieving growth."

Miguel Ángel Gómez Cano
Managing Director Oedim Spain

Delivering phenomenal return on investment

The perfect ratio for profitability

With the ideal ratio of quality, speed and cost-in-use, the Acuity Ultra R2 gives you the power to profit from a huge range of indoor and outdoor applications, offer better quality and produce higher speeds. Drive your business forward with an outstanding superwide machine from a world leader in industrial inkjet technology.

Make an impact in the high-end indoor display market

The Acuity Ultra R2 is not only ideal for out-of-home applications such as single billboards and signage, it's also perfect for high-end indoor displays where close viewing requires images to be exceptionally clear and vibrant. With quality comparable to leading water-based inkjet systems, investing in an Acuity Ultra R2 can propel your business into the luxury brand market.

Long printhead life minimises costs of consumables

With an impressively long life, you won't have to worry about replacing printheads as often. Combined with low ink consumption, the long printhead life reduces the hassle and costs associated with replacing consumables.

Versatility on a massive scale

With its massive format size, 2- or 3-up multi-roll potential, and ability to print on a broad range of materials, the Acuity Ultra R2 gives you the ability to profitably create exhibition graphics, POS displays, high-value graphic art, backlit displays, outdoor displays, outdoor signage and more. And now with the option of our LED UV versions, you can offer even more value and versatility to your workflow, based on customer demand.

Fully equipped to enhance productivity

The Acuity Ultra R2 is equipped with advanced features for flexible and productive printing, including: a unique chilled vacuum table to enable printing of thin heat-sensitive substrates; an on-board backlighting feature to enable image quality to be checked during printing; and an automatic nozzle spitting system to maintain consistent print quality.

Scalable architecture

All Acuity Ultra R2 systems have an ink channel upgrade path. You can start with a 5004 LED UV printer, then add light colours at a later date or white too if needed. The scalable architecture allows you to maximise your investment depending on the direction of your business for maximum flexibility.

Key features

- Native 3.5 picolitre, 3 level greyscale printhead
- Linear-driven printhead carriage
- Water-cooled vacuum table
- Accurate and reliable media transport system
- Double sided print function supports printing on both sides of the media in perfect registration
- 3.2 m and 5 m options
- Mercury UV and LED UV curing options available
- Fujifilm Uvijet GS and AU inks
- Versatile, ultra-high quality 6 channel with white option
- Highly productive dual CMYK 8 channel model
- Output speed over 600 m^2/hr
- 0.1 mm to 2.0 mm media thickness
- Multi-roll printing
- Prints on heat-sensitive materials
- Intuitive GUI

Acuity Ultra R2 at a glance

Easy to use, saving time and money

With features to speed up job set-up times, enable the status of the print to easily be reviewed, through to the day-to-day maintenance of the machine, the ease of use of the Acuity Ultra R2 is a key contributor to improving your overall print ROI.

Media crash detectors to prevent printhead damage

The carriage is equipped with media crash detectors on either side. These react to obstructions on the vacuum table to stop the carriage and prevent damage to the printheads.

Multi-roll capability maximises productivity for smaller jobs

With a throughput of over 600 m² per hour, the machine has the potential to produce huge volumes of work when printing on three rolls simultaneously, as well as printing superwide format graphics up to five metres in width.

Water-cooled vacuum table

A unique chilled vacuum table maintains the substrate temperature while printing and allows the use of thin heat-sensitive substrates, reducing media shrinkage and wrinkling.

Ink spitting to minimise machine downtime

The Acuity Ultra R2 is fitted with a spit function designed to reduce machine downtime. This maintains the print quality and helps to increase the overall consistency of the printed results.

Auto media thickness and position measurement

The Acuity Ultra R2 is equipped with a media detector mounted on the carriage. This is used to determine the position and thickness of the media.

Mechanical substrate detector

The Acuity Ultra R2 is equipped with media sensors positioned under the rear media tension rollers, with 3 sensors on the Acuity Ultra R2 5000, and 2 on the Acuity Ultra R2 3200.

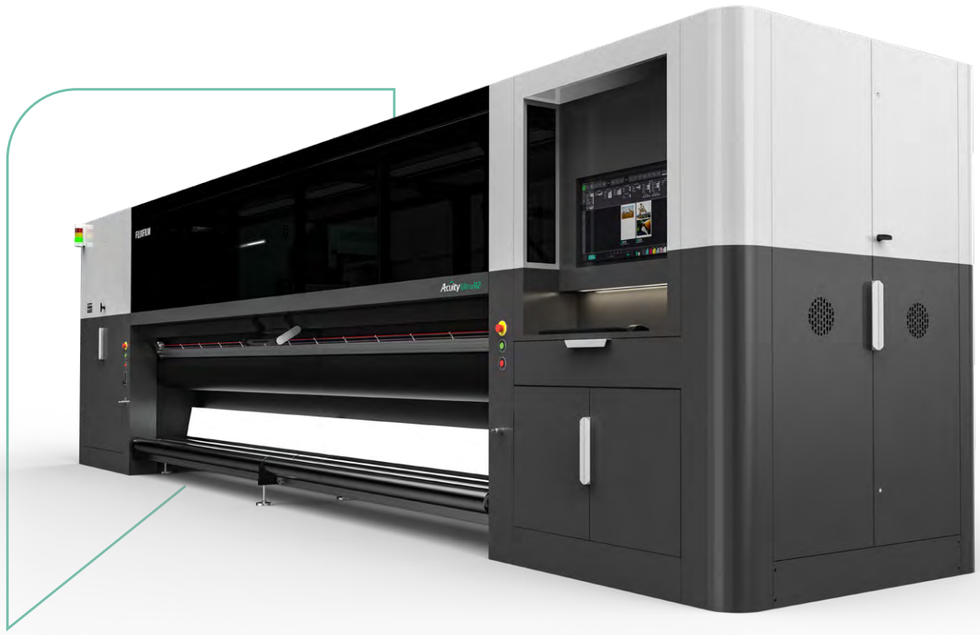
Acuity Ultra R2

Industrial UV and LED curing systems

The Acuity Ultra R2 is available in 3.2 or 5 m formats, using LED UV lamps for the 6 colour and 6 colour plus white options, or Mercury UV lamps for the high speed double CMYK configuration, ensuring block free production. By offering both solutions, printers can choose the most appropriate technology to support their business needs.

High-performance Uvijet GS and AU inks

New, high colour density inks deliver superb vibrancy and a wide colour gamut. Excellent inter-coat laydown produces solid backlit colours and prints. The inks also do not exhibit cracking when folded due to the low ink build. The new high colour density inks are delivered using 3.5 pL printheads, resulting in a very low film thickness and ultra-low ink consumption, resulting in very low cost-in-use and higher profit per print.



Technical specifications

Acuity Ultra R2	3200 series	3200 series	5000 series	5000 series
Curing system	LED UV	Mercury UV	LED UV	Mercury UV
Model	3204: CMYK 3206: CMYK LcLm 3208W: CMYK LcLmWW	3204: CMYK 3244HS: CMYK CMYK	5004: CMYK 5006: CMYK LcLm 5008W: CMYK LcLmWW	5004: CMYK 5044HS: CMYK CMYK
Printhead drop volume	Greyscale, 3.5 pl – 14 pl			
Printing technology	Piezoelectric drop-on-demand inkjet			
Resolution	Up to 1200 x 1200 dpi			
Inks	Uvijet AU series	Uvijet GS series	Uvijet AU series	Uvijet GS series
Maximum throughput	400 m²/hr		667 m²/hr	
Maximum media width	3.40 m		5.13 m	
Maximum media thickness	2.0 mm			
Minimum media thickness	0.1 mm			
Maximum print image width	3.20 m		5.00 m	
Media loading capabilities	Large rolls: 400 kg x 400 mm		Large rolls: 600 kg x 400 mm	
	Multi-rolls: 2 x 200 kg x 340 mm		Multi-rolls: 3 x 200 kg x 340 mm	
Hardware interface	Ethernet TCP/IP, 1000 base-T			
Power requirements	3 phase, 400V AC, 50 Hz, 30A			
Air supply	Pressure (minimum): 8 kg/cm² (7.85 bar / 114 psi)			
	Flow rate (minimum): 1.2 m³/min (1200 l/min / 42.26 cfm)			
Environmental conditions	Temperature: 18˚C – 28˚C			
	Humidity: 40% – 80% RH (non-condensing)			
	Atmospheric dust: ≤0.15 mg/m³			
Dimensions (L x W x H) (excluding workstation)	6.81 m x 1.81 m x 2.04 m		8.5 m x 1.88 m x 2.21 m	
Machine weight	4750 kg		7740 kg	

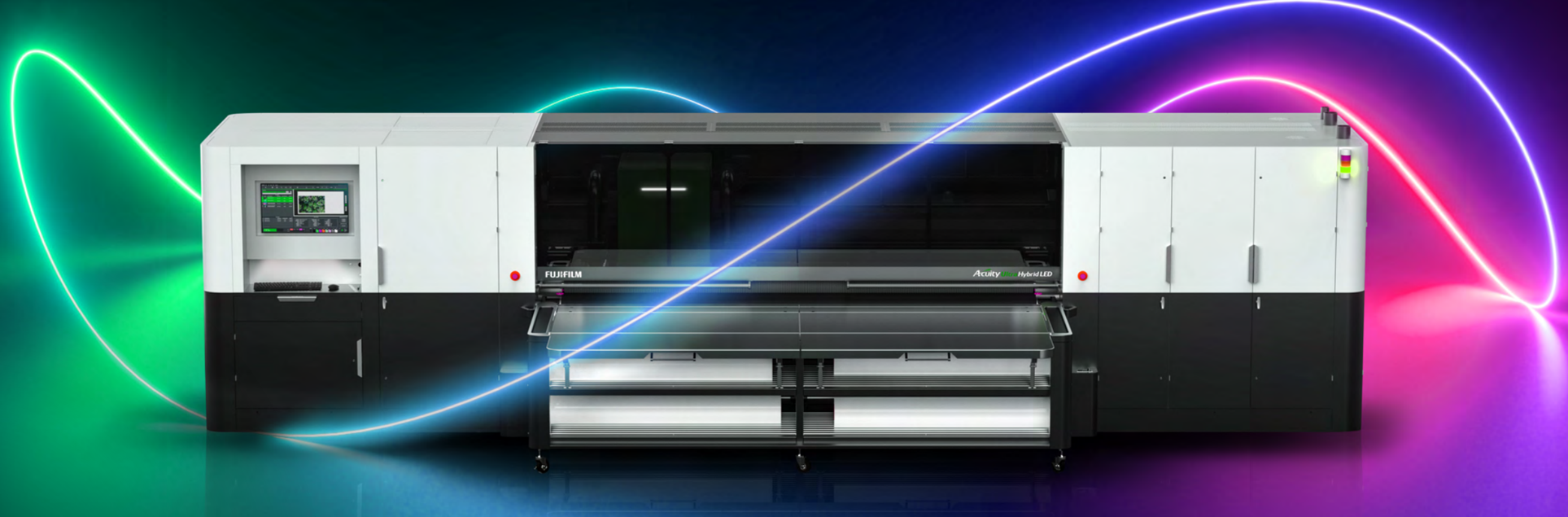
Acuity Ultra Hybrid LED

One platform unlimited results

The Acuity Ultra Hybrid LED is a high-end printer designed for rigid and flexible media, offering superb, high quality printing in a 3.3 m platform.

Why Acuity Ultra Hybrid LED?

- Near photographic quality printing of a huge range of applications at high speeds
- Scalable architecture that can grow and change as business demands evolve
- Intelligent design and new high performance ink for maximum versatility



Acuity Ultra Hybrid LED

Engineered with the operator in mind

The Acuity Ultra Hybrid LED is designed with specialist inks to support near photographic quality printing on a huge range of applications.

It is also a highly modular six-colour system with a scalable architecture that can grow and change as business demands evolve. This means you can start with a CMYK device, and add light colours and white inks at a later date, making it one of the most versatile and flexible platforms on the market, able to produce the widest variety of products in the smallest machine footprint.

Versatility

The combination of intelligent design features and Fujifilm's new Uvijet UH high performance ink, ensures that the Acuity Ultra Hybrid LED is one of the most versatile platforms on the market, able to produce an unrivalled range of applications at both high quality and high speed.

Media load and unload tables

Fujifilm's patented media table design features a dimpled table surface which supports all media types while allowing easy media positioning, providing performance superior to most other systems on the market. In addition, an innovative catch mechanism improves media feed accuracy, and provides protection from accidental damage throughout a print run. Finally, the change over from roll to rigid or rigid to roll is ultra-quick, maximising overall productivity.

Intelligent vacuum control system

The Acuity Ultra Hybrid LED features an intelligent vacuum control system that has been designed from the ground up using sophisticated airflow CAD modelling software to generate excellent media hold down.

The system automatically turns on the vacuum zones needed for any print job based upon the media width, and automatically adjusts the vacuum control power to maintain a constant force under the belt regardless of media type and size. This ensures excellent media hold down, whilst maintaining consistent media transport, to ensure high print quality.

In addition, the belt is a single piece constructed of a semi-rigid polyurethane material, so it resists both ink damage and distortion over time, ensuring years of continual use. The belt drive rollers are also substantial 32 cm diameter steel rollers that resist deflection when the belt is tensioned.

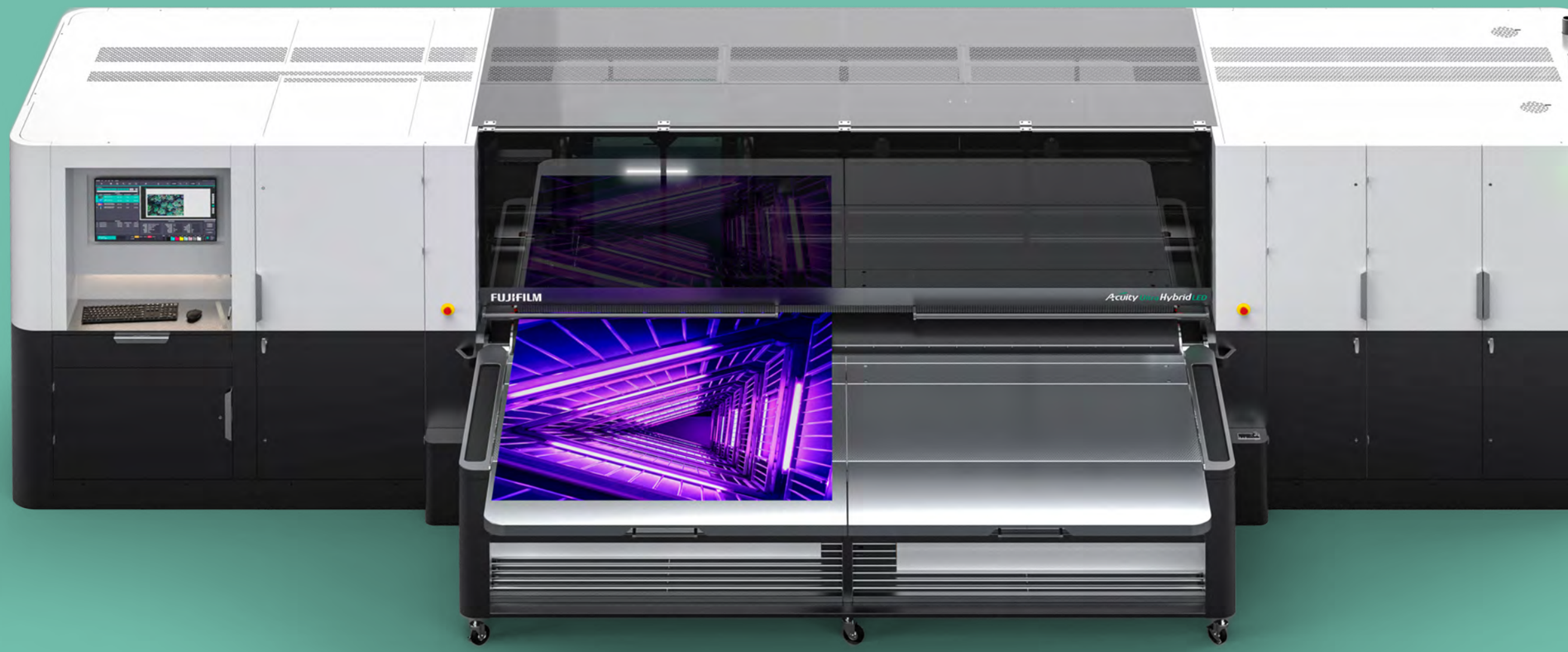
Key features

- Versatile, ultra-high quality printer
- Native 3.5 picolitre, 3 level greyscale printheads
- Linear-driven printhead carriage
- Dimpled media tables support all media types
- **3.3 m print width**
- LED UV curing for lower power consumption
- Uvijet UH high performance inks
- 6 channel with white option
- Up to 315 m²/hr roll-to-roll
- Dual roll printing
- Prints on heat-sensitive materials
- Intuitive GUI

The Acuity Ultra Hybrid LED delivers an unrivalled range of applications at both high quality and high speed.

Ultra-high quality

The Acuity Ultra Hybrid LED uses the same head carriage as the Acuity Ultra R2, capable of ejecting greyscale drops down to 3.5pL in size to deliver superb print quality. Combined with an industrial build quality, a linear motor head carriage drive and Fujifilm's high performance Uvijet UH inks, the very best print quality is guaranteed.



Heavy duty chassis

Like the Acuity Ultra R2, the Acuity Ultra Hybrid LED is built on a substantial welded steel construction, together with solid steel bars, which contribute to the machines 8.3T weight. This design not only delivers a robust construction, it also ensures that the printer displays very little vibration during operation, further enhancing print quality.

Linear motor head carriage drive

Many hybrid printers use a belt drive to move the print carriage, often resulting in a reduced life span as well as impacting print quality. The Acuity Ultra Hybrid LED uses a linear motor drive for the head carriage delivering travel speeds of 1900 mm per second when using the fast carriage travel speed. The carriage movement is quiet and free from vibration, travelling along dual rails with the carriage supported by 6 large race bearings.

Uvijet UH ink

Fujifilm has developed a new high performance LED curing ink for use in the Acuity Ultra Hybrid LED, specifically designed to give the adhesion performance needed in a hybrid solution. However, the ink still delivers the same high coverage and print quality as Fujifilm's other Uvijet AU and GS inks, with customers also able to benefit from the same low ink usage.

The Uvijet UH ink set consists of six standard colours (CMYKLcLm) and an optional white ink.

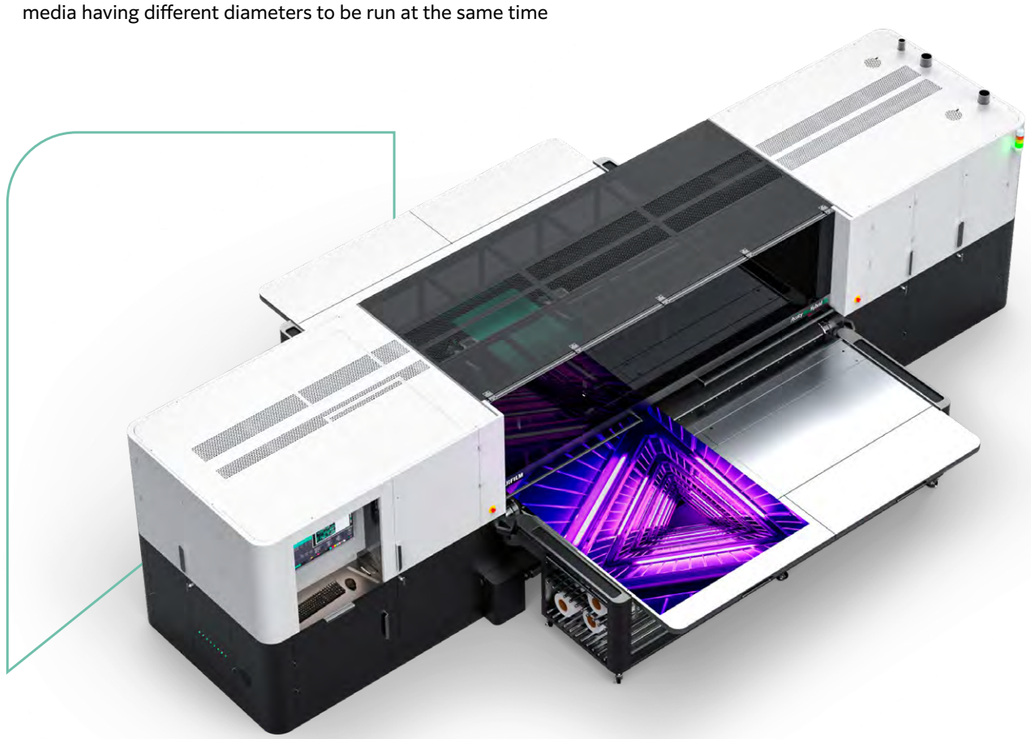
The printer can be configured with two white ink channels to maximise throughput speeds and print density.

The Acuity Ultra LED Hybrid with white ink allows flood white under-printing for non-white media, over-printing white for backlit applications on transparent media and/or printing white as a spot colour. The new ink range has both Greenguard Gold and AgBB certification. The printer is capable of printing up to 5 layers, with the 1st and 5th layer being a different image.

Designed with the operator in mind

A range of advanced features have also been incorporated into the design of the Acuity Ultra Hybrid LED to improve operation and maximise uptime. These include:

- A second workspace with keyboard and monitor that mirror the functions of the PC that drives the machine, meaning a single user can operate the printer from either the input or the output sides of the machine
- Media tension buttons controlling the roll functions of the machine are located on both the input and output sides for ease of use
- The input media roller is adjustable, moving up and down, for improved tension, and to help keep the roll media flat and wrinkle free
- The durable aluminium media shafts cater for either single 3.3 m rolls, or two rolls each up to 1.6 m wide. The printer uses a special airshaft which allows two rolls of the same media having different diameters to be run at the same time



Technical specifications

	Acuity Ultra Hybrid LED
Media	Maximum width 3.3 metre
Print sizes	Maximum width 3.3 metre
Ink range	Uvijet UH std colours – CMYKLcLm – Optional white
Ink reservoir	Top loading 7 ltr tanks , White 2 ltr
Print head	Up to 16 Kyocera KJ4A heads
Number of nozzles	5,312 nozzles per colour channel with white channel having 10,624
Print resolution	Print resolution up to 1200 x 1200 dpi
Productivity	315 m²/hr for RTR and up to 60 beds an hour
Curing system	LED Lamp – lamp life minimum 5000 hours
Power supply machine	380 v 3 phase 50/60 Hz 30 amp, 7 kw consumption. (Vacuum motor: 400 V 3-ph+N+PE/Gnd, 50/60 HZ, 80 A, 33.5 KW)
Connectivity	Connectivity Minimum 1000 base T
Air supply	Pressure (minimum): 8 kg/cm² (7.85 bar / 114 psi)
Media Type – RTR	Up to 2 mm – PC, PET, UV textiles, Papers, SAV, Mesh, banner PVC
Media Type – rigid	Up to 5 cm – Foam PVC, Rigid PVC, Dibond, PE Flute, Acrylic, P&B
Media RTR – single roll	180 kg x 36 cm diameter x 3.2 m width
Media RTR – dual roll	Each – 90 kg x 36 cm diameter x 1.6 m width
Media RTR on table rollers	20 kg max weight
Media capabilities rigid	Max 15 kg/m² – Max single sheet weight on table 80 kg
Sheet sizes	Minimum sheet size 50 x 70 cm. Max 3.2 m x 3 m (with table extensions)
Environment	18-28° C. 40-80% RH (noncondensing) (Altitude 0-2000 m)
Dimensions L x W x H	8.3 m x 2.1 m x 1.9 m (With tables width 5.5 m or 7.5 m with table extensions)
Working area recommended	10.3 m x 9.5 m
Weight	8.3 T (Uncrated)

Fujifilm sells first Acuity Ultra Hybrid LED in Germany to design firm Fokina

Graphics firm Fokina invested in an original model Acuity Ultra in February 2020 and used it to print Fujifilm's stand graphics for a number of events including FESPA last year. At FESPA 2023, the company sealed the deal for its new machine.

Fokina will use the Acuity Ultra Hybrid LED to boost its business's productivity. Working alongside its Acuity Ultra, it will bring an even greater level of flexibility, printing on substrates including Forex; PVC; Dibond, self-adhesives; banners; mesh and more.

The new printer will also help Fokina to deliver better value and faster lead times to its customers – without compromising on quality.

Sven Breiter, Managing Director of Fokina, said he chose the Acuity Ultra Hybrid LED because he's already familiar with Fujifilm – a trusted brand and partner – as well as its reliable printing technologies.

He first saw the Acuity Ultra Hybrid LED when it was unveiled at FESPA 2022 – the same show his business had printed the graphics for using the Acuity Ultra printer. He then visited Fujifilm's site in Broadstairs for a demonstration of the machine.

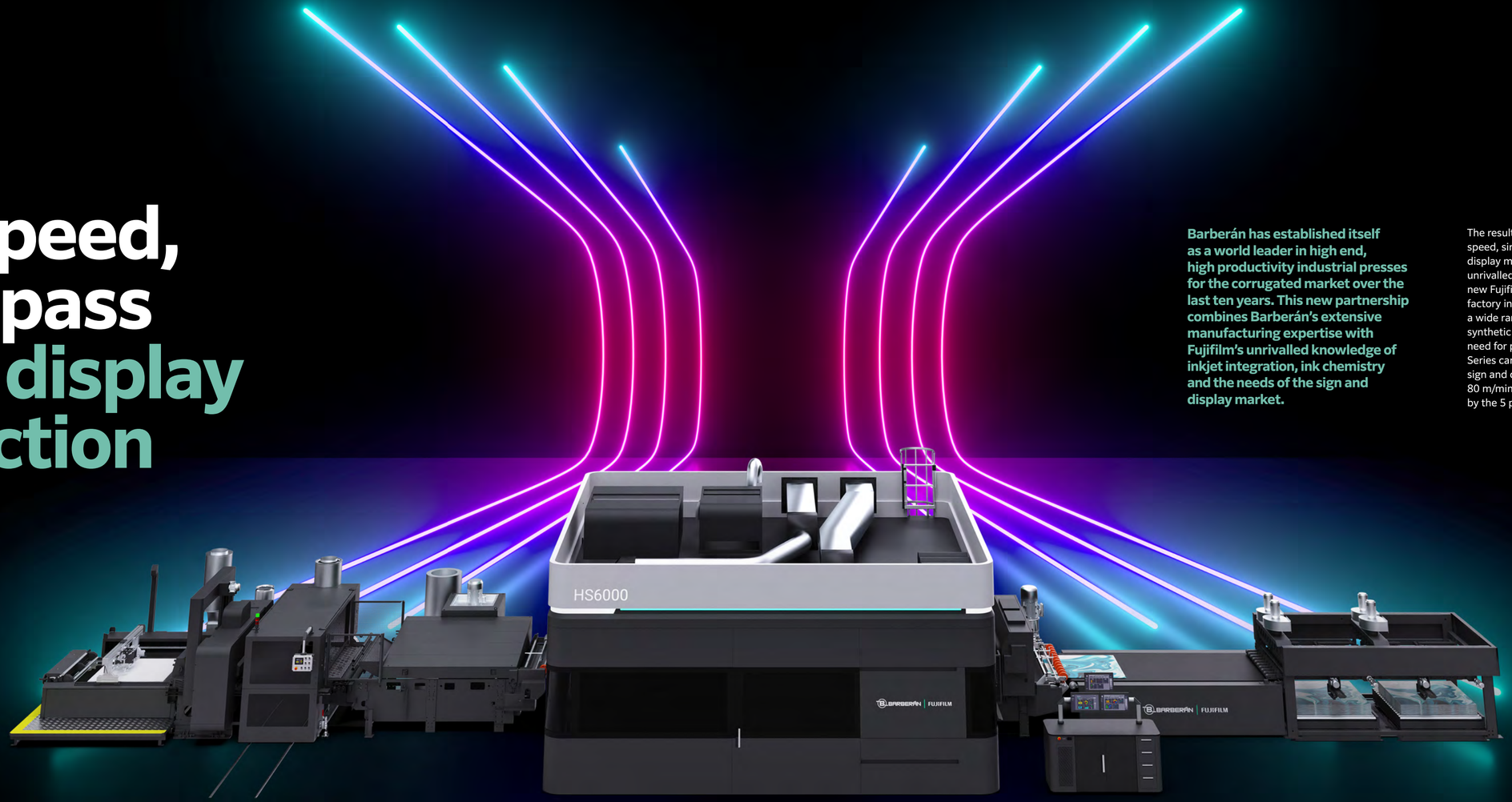
David Burton, Business Director of Fujifilm Wide Format Inkjet Systems, says: **"Fokina has been a valued partner of ours for a number of years. Last year, with their Acuity Ultra, they printed our Blueprint Live graphics for our FESPA 2022 stand. This year, they've invested in an Acuity Ultra Hybrid LED. That's a huge vote of confidence in our technology and we're delighted to be helping them to take their productivity to even greater heights."**

"The Acuity Ultra Hybrid LED is the full package. The media transportation process is very smooth, and its ink drop placement is highly precise. As ever, Fujifilm went above and beyond. When I was shown the machine at the demo in Broadstairs, I was able to print my own jobs – and I saw for myself the high speed and quality it was able to deliver. It made perfect sense to invest in another Fujifilm printer following the success we've had with the Acuity Ultra."

Sven Breiter
Managing Director
Fokina

HS Series

High speed, single pass sign & display production



Barberán has established itself as a world leader in high end, high productivity industrial presses for the corrugated market over the last ten years. This new partnership combines Barberán's extensive manufacturing expertise with Fujifilm's unrivalled knowledge of inkjet integration, ink chemistry and the needs of the sign and display market.

The resulting new HS Series of presses brings high speed, single pass inkjet printing to the sign and display market. With a built-in print engine of unrivalled quality, the presses will utilise a bespoke new Fujifilm ink developed at its multi-award-winning factory in Broadstairs, UK. This will enable printing on a wide range of rigid and flexible substrates, including synthetic and paper based stocks (often without the need for primer). With their modular design the HS Series can be configured to suit any high productivity sign and display business printing at speeds of up to 80 m/min with outstanding print resolution delivered by the 5 picolitre droplet printheads.

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