FUJIFILM
Value from Innovation

Acuity Prime range
PRODUCT BROCHURE
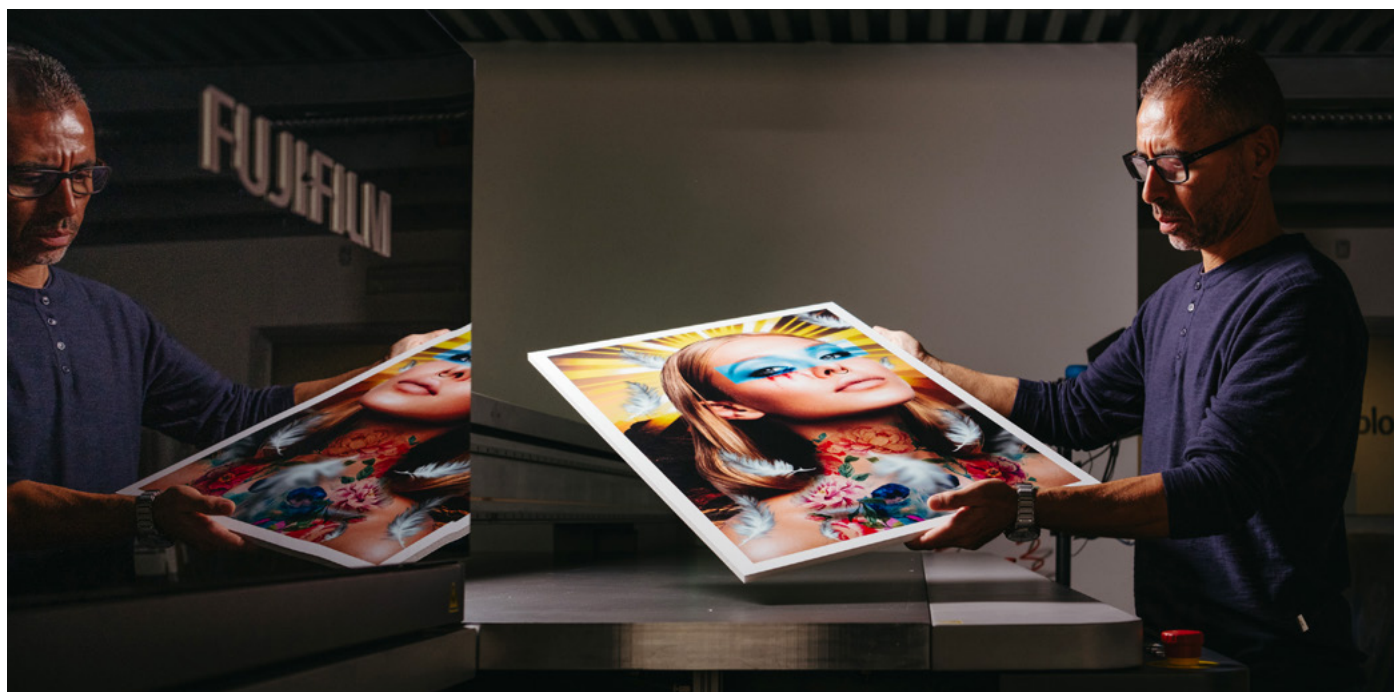
Discover our
Acuity Prime range

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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

Acuity Prime

The most economical and versatile Acuity flatbed ever.

Quality, speed and value with no compromise

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

Why Acuity Prime?

A range of features for the ultimate flexibility

Lower ink use and excellent cost of ownership ensure unbeatable ROI

Produce the best flatbed quality at the highest production speeds

Award-winning design for superb ease of use

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

Available with either 4 or 6 colours for the optimum performance flexibility

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.

Achieve the perfect balance of quality and productivity

The Acuity Prime offers the ultimate flexibility with both 4-colour and 6-colour printing configurations, empowering print providers to tailor performance to their exact needs. Choose 6 colours for stunning detail, smooth gradients, and vibrant, brand-true colours essential for luxury packaging, cosmetics, and high-end retail. Or run with 4 colours to maximise speed, reduce costs, and boost productivity in high-volume environments. With the ability to upgrade from 4- to 6-colour printing, the Acuity Prime grows with your business, delivering premium results and operational efficiency in one smart, scalable solution.

Acuity Prime

Expand your creative options

White, clear and jettable primer

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.

4 and 6-colour printing for the ultimate flexibility

One of the key strengths of the Acuity Prime is its flexibility to run both 4 and 6-colour configurations depending on the application needs, striking the perfect balance between productivity and quality. For everyday, high-volume work, the 4-colour mode delivers speed and efficiency. When jobs demand finer detail and superior colour fidelity, the system can be upgraded to include light cyan and light magenta for 6-colour printing. This upgrade path offers businesses the confidence to grow and adapt their services over time, ensuring they can meet a broader range of customer demands without needing to invest in an entirely new platform.

6-colour (CMYKLcLm) key features:

- Expanded colour gamut: enables more vibrant and accurate colour reproduction.
- Smoother gradients and tonal transitions, especially in lighter areas.
- Higher image quality: ideal for fine art, photography, and luxury packaging.
- Enhanced skin tones and soft colour areas: especially important for cosmetic and fashion applications.
- Supports premium, high-value print work: delivers the visual impact clients expect in high-end markets.
- Professional-grade results: helps meet the most demanding colour-critical brand requirements.

4-colour (CMYK) key features:

- Faster print speeds: ideal for high-volume production environments.
- Lower ink consumption: cost-effective for everyday print jobs.
- Simplified operation and maintenance: easier to manage with fewer printheads.
- Reliable, consistent output: perfect for signage, displays, and general graphics.
- Reduced downtime: keeps workflows moving smoothly with fewer adjustments.
- Maximises ROI for standard applications: a practical, efficient solution for most commercial print needs.

Finer detail

Smoother gradients and enhanced skin tones

More vibrant and accurate colour reproduction

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

Automatic Printhead
Maintenance System (APMS)

Visible status indicators

A new and user-friendly GUI

Five dedicated vacuum zones
reduce bed masking

FUJIFILM

Pneumatic registration pins
for quick, repeatable loading
in perfect registration

Acuity Prime

Status lights for
the ink tanks

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
  minimise masking
- Powerful instant
  curing LED UV system

- Fujifilm Uvijet LED UV
  curing inks
- Standard 4 colour plus
  white, clear, light cyan &
  light magenta, with optional
  jettable primer
- Automatic Printhead
  Maintenance System (APMS)

> **The Acuity Prime offers improvements in three crucial areas: it's two to three times faster, the ink usage is lower and the vacuum system is divided into sections allowing more versatility in production"**
>
> **David Clarke**
> Managing Director, Vario Press

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 Uvijet HM, HF, HZ LED UV ink curable inks	Fujifilm Uvijet HM, HF, HZ LED UV ink curable inks
Configuration		4 channel - CMYK 5 channel - CMYK + W, CMYK + CL (or CMYK + P) 6 channel - CMYK + Cl + W (or CMYK + P + Cl)	4 channel - CMYK 5 channel - CMYK + W, CMYK + CL (or CMYK + P) 6 channel - CMYK + Cl + W (or CMYK + P + Cl) 7 channel CMYK + W + Lc + Lm 7 channel - CMYK + W + P + Cl
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 requirements		220-240V, 50/60 Hz, single phase, 25A, peak power 6kW	220-240V, 50/60 Hz, single phase, 25A, peak power 6kW
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 - CMYK			Acuity Prime 30 - CMYK			Acuity Prime 30 - CMYKLcLm		
Smoothing modes	**33**	**66**	**100**	**33**	**66**	**100**	**33**	**66**	**100**
Sketch	125	85	83	150	N/A	126	125	85	83
Draft	65	53	44	99	81	65	65	53	44
Express	44	38	29	65	56	44	44	38	29
Production	33	27	22	47	43	33	33	27	22
Quality	22	20	15	33	30	22	22	20	15
Fine Art	16	15	11	25	23	16	16	15	11
*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.

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

Jan Carel Schepenaar
Director, A1 Signs

Technical specifications

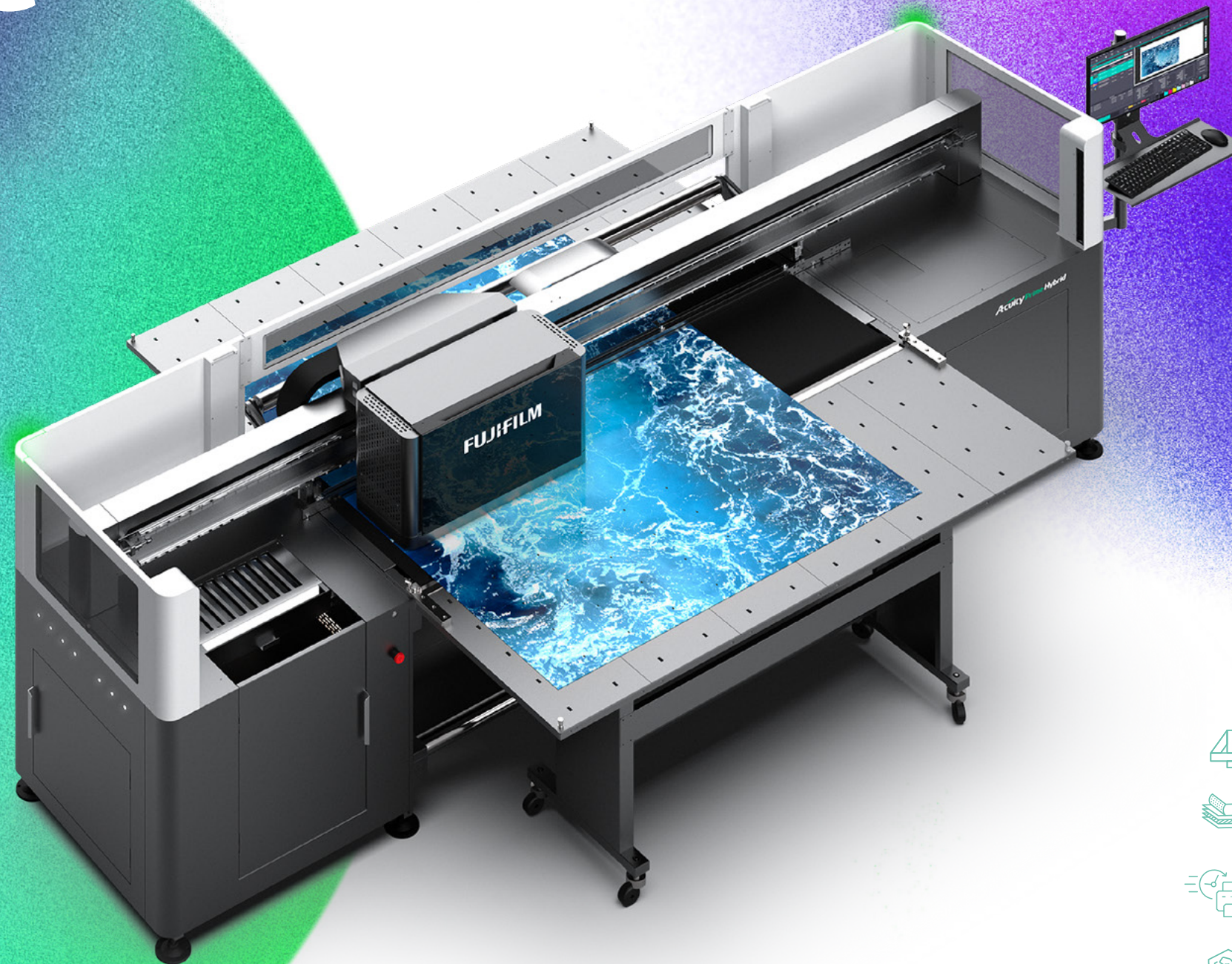| Acuity Prime L	
Max print area	3200 mm (W) x 2000 mm (D)
Max media thickness	51 mm
Max load	45 kg/m²
Vacuum zone	6 zones
Media register pins	16 pins Horizontal Front 6 pins, Horizontal Back 6 pins, Vertical 4 pins
Drop size	GEN5: 7 to 21 picolitres (3 levels)
Ink configuration	7 Channel – CMYK + W + Lc + Lm 7 channel – CMYK + Pr + W + Cl
Layer modes	5 Layers (CMYK PrWCl)
Pouch sizes	CMYKLcLm (2L), PrWCl (1L)
Ink	Uvijet HM
Connection	USB 3.0
Power requirements	220-240V, 50/60 Hz, single phase, 30A, peak power 7.2kW
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

Print modes and speeds

Model	Acuity Prime L - CMYK			L - CMYKLcLm		
Smoothing modes	33	66	100	33	66	100
Sketch	204	152	147	128	89	88
Draft	107	89	73	67	58	46
Express	76	63	49	46	39	30
Production	55	54	36	34	30	23
Quality	36	35	24	23	21	15
Fine Art	27	26	18	17	15	11
*speeds in m²/hr						

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 7 pL. It handles flexible and rigid media up 51 mm thick, and roll media up to 2.1 m 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 m²/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.

Why Acuity Prime Hybrid?

Uses 4 colours rather than 6 for a 25% ink saving

Achieve exceptional printing results on an extensive variety of substrates, including heat sensitive materials like contravision and wallpaper

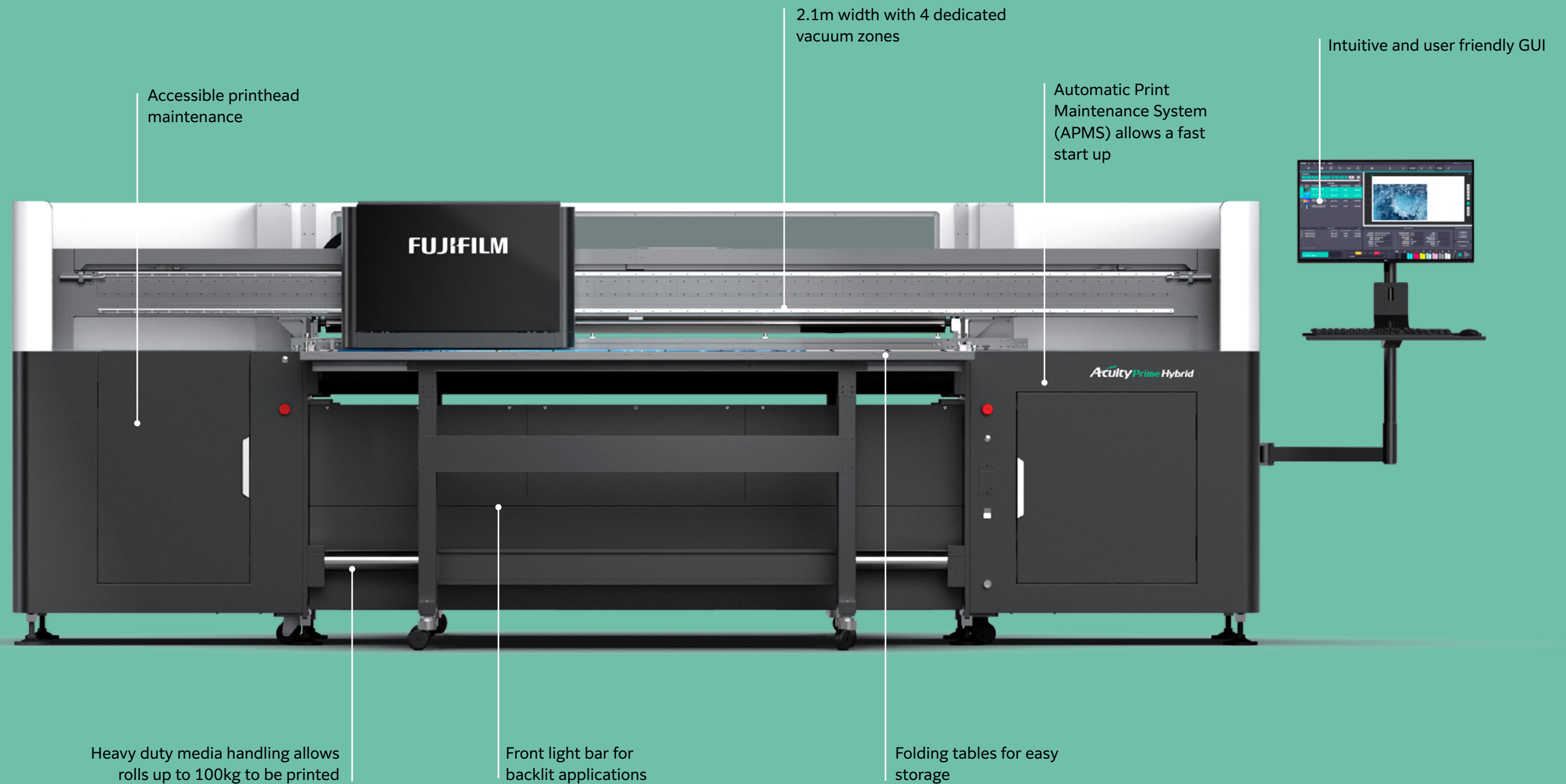Automatic Print Maintenance System (APMS) allows a fast start up and minimal downtime

Dedicated hybrid with heavy-duty media handling

Acuity Prime Hybrid

Acuity Prime Hybrid
at a glance

2.1m width with 4 dedicated vacuum zones

Intuitive and user friendly GUI

Accessible printhead maintenance

Automatic Print Maintenance System (APMS) allows a fast start up

FUJIFILM

Acuity Prime Hybrid

Heavy duty media handling allows rolls up to 100kg to be printed

Front light bar for backlit applications

Folding tables for easy storage

Acuity Prime Hybrid

Allen Signs **invests in a Fujifilm Acuity Prime Hybrid to support its efficiency and expansion.**

UK-based signage and vehicle livery specialist Allen Signs is a family-run wide format business that 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 Prime Hybrid

Key features

- Ultra-versatile, high quality printer
- Native 7 picolitre, 3 level greyscale printheads
- 2.1 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

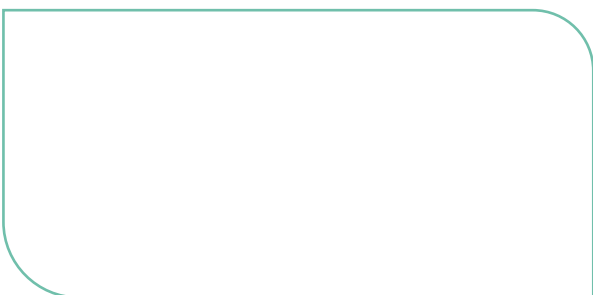| Acuity Prime Hybrid	
Ink	Uvijet HM, HF, HZ ink
Colour	CMYK plus optional White, Clear and Primer
Maximum printable width	2100 mm
Productivity	up to 141 m²/hr
Maximum printable roll length	Up to 50m
Maximum rigid media weight	45 kg/m²
Maximum roll diameter	320 mm outer diameter
Maximum roll media weight	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
Power requirements	220-240V, 50/60 Hz, single phase, 20A, peak power 4.8kW
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			

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Please contact your local Fujifilm partner or visit:
fujifilmprint.eu/wide-format-sector/

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