

Acuity Prime series: Overview

The benchmark platform for versatile print production

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

Key features

- ▶ Dedicated flatbed design
- ▶ 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 with clear and optional jettable primer
- ▶ Automatic Printhead Maintenance System (APMS)



Acuity Prime



Produce a wide range of high value print

Lower cost of ownership and excellent ROI

With variable drop-size printheads and highly pigmented inks, Acuity Prime printers lay down a thin ink film, which minimises production costs, and in combination with a competitive system price, support an excellent ROI.

Produce a wide range of applications

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. 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.

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.

Designed with the operator in mind

At Fujifilm we understand the value of production time and usability, so we designed the Acuity Prime with the operator in mind. With a new and user-friendly GUI, easy clean printhead maintenance and visible status lights for the ink tanks, operators are able to spend less time maintaining the machine and more time printing.



The all-in-one flatbed printer

Dedicated flatbed design

The dedicated flatbed design with media registration pins ensures accurate registration for edge-to-edge printing and tiling of large layouts over multiple boards, even with multiple print passes.

High quality

Greyscale printheads in a staggered configuration deliver near-photographic image quality that is consistent over the whole bed.

Uvijet LED UV ink technology

Fujifilm's Uvijet ink delivers strong, vibrant, lightfast colours with superior colour gamut.

Colour channel options

The Acuity Prime can be configured with either 4,5,6 or 7 colour channels. The channels are populated with ink sets that best suit your application needs, including CMYK, white, clear and a jettable primer for excellent adhesion to more industrial media types.

Print mode options

A range of print modes are available to provide different levels of quality and speed, depending on the specific job requirements.

Create it all with Acuity Prime and Uvijet HM inks

Versatile printing

- ▶ Produce point of sale graphics, indoor signage, industrial graphics and product decoration, printing direct to rigid or flexible sheets, objects or pre-cut media
- ▶ Print on PVC, polycarbonate, acrylic, paper, board, wood, aluminium composite and many other materials
- ▶ Produce borderless prints with little effort
- ▶ Create proofs for a customer that are identical to the production run
- ▶ Use clear ink to add impact using a spot or flood clear with uniform finish
- ▶ Use white ink to produce images on transparent or coloured materials
- ▶ Print colour-white-colour layers in one pass for two-sided images on transparent materials
- ▶ Print stunning backlit images direct to transparent media
- ▶ Print with a double strike white for extra-high opacity
- ▶ Using the jettable primer option adhesion to industrial media such as glass, metal and wood is made possible.

Designed for your production environment

Compact footprint

Acuity Prime printers are built to fit into compact spaces and the accessible design gives you flexibility in the way you work around the machine.

Vacuum zones

Five dedicated vacuum zones tailored to common media sizes reduce the amount of bed masking required and enable quick media changeover. Adjustable vacuum strength provides optimum handling for different media.

Registration pins

Pneumatic registration pins enable quick, repeatable, easy loading of rigid media in perfect registration.

Static bars

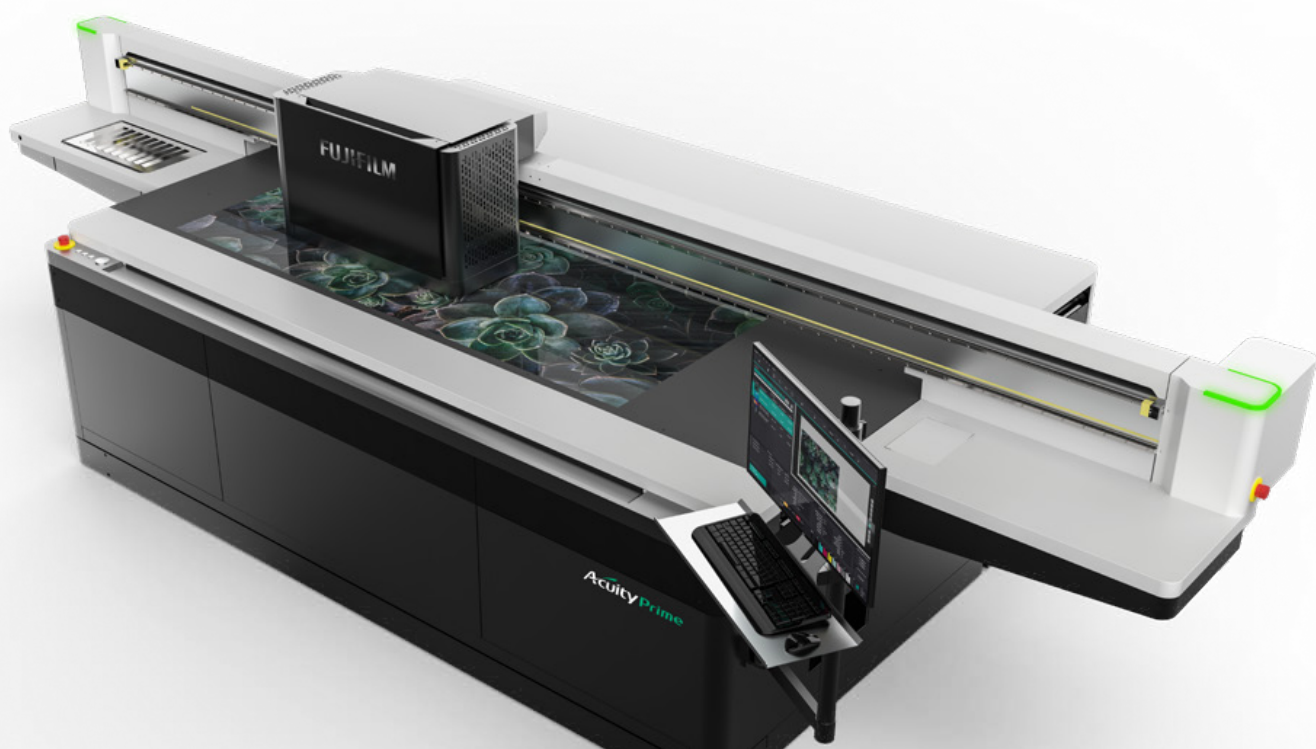
The ionising bars reduce the effects of static on some synthetic materials.

Hands-free cleaning

The Automatic Printhead Maintenance System reduces the amount of manual cleaning required. The automatic process is clean and consistent.

Rigid or flexible media options

The ability to print on a variety of media, from flexible to rigid substrates up to 51 mm thick.



Technical specification

Acuity Prime		20	30
Rigid media	Max size	2.54 x 1.27 m	2.54 x 1.27 m
	Max thickness	51 mm	51 mm
	Max print area	2.54 x 1.27 m	2.54 x 1.27 m
	Max weight	45 kg/m 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 + P, CMYK + W or CMYK + Cl 6 channel - CMYK + P + W, CMYK + P + Cl or CMYK + W + Cl	4 channel - CMYK, 5 channel - CMYK + P, CMYK + W or CMYK + Cl 6 channel - CMYK + P + W, CMYK + P + Cl or CMYK + W + Cl 7 channel - CMYK + P + W + 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)
RIP recommendation		ColorGATE, Caldera, Onyx	ColorGATE, Caldera, Onyx
Operating environment		16-30 °C, 30-70% RH non condensing	16-30 °C, 30-70% RH non condensing
Power requirements		220-240 VAC, single phase 50Hz/60Hz	220-240 VAC, single phase 50Hz/60Hz
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		
	33	66	100	33	66	100
Smoothing modes						
Sketch	130	93	90	150	n/a	126
Draft	69	55	46	99	81	65
Express	46	40	31	65	56	44
Production	35	31	23	47	43	33
Quality	23	21	15	33	30	22
Fine Art	17	16	11	25	23	16

*speeds in m²/hr



For more information or detailed product specifications, please call or visit us at

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