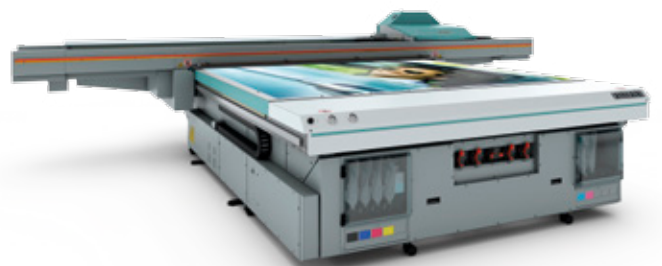


## Acuity F

### PRODUCT BROCHURE

High productivity UV flatbed printer  
for display and signage

*Acuity* **F**





## Exceptional performance

Acuity F is the highest productivity model in the popular Fujifilm Acuity flatbed series. It combines seven years of market leading image quality with the latest engineering expertise and UV ink technology to deliver a state-of-the-art platform capable of a wide range of print applications.

Acuity F is built to deliver high productivity with outstanding image quality, suitable for signage and display graphics printers requiring capacity of at least 30,000m<sup>2</sup> a year.

Acuity F can help print businesses to:

- ▶ Print faster, without compromising on print quality
- ▶ Manage high volumes, with faster turnaround
- ▶ Produce print on a wide range of media

### Acuity F at a glance

#### Built for production

Dedicated flatbed  
Large 3.05 x 2.5m bed size  
7 vacuum zones  
Registration pins  
Low heat-output UV  
Automatic head cleaning

#### Excellent productivity

Up to 155m<sup>2</sup>/hr print speed  
Dual zone printing

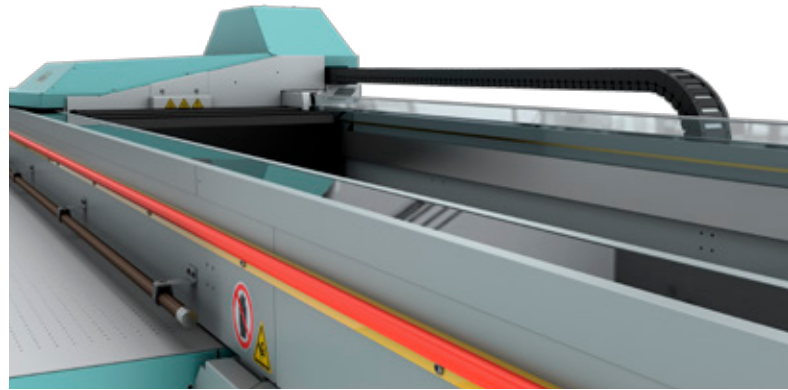
#### High quality, vibrant images

High resolution greyscale printheads  
6 and 7 colour channel options  
Light inks as standard  
White ink option  
Fujifilm Uvijet WI ink system





*The full size dedicated vacuum flatbed table holds sheets perfectly flat.*



*Engineered for quality at speed, the carriage runs on air bearings for smooth, precise motion.*

## High quality rigid printing at speed

Print companies who need a quick turnaround or are producing higher volumes of print, will want to eliminate finishing processes like mounting and laminating. Acuity F is built for high speed rigid print production, with a full-size (2.5 x 3.0m) dedicated flatbed table and powerful vacuum system that holds sheet materials flat and secure. This enables edge-to-edge printing, printing over the same sheet multiple times with perfect registration, accurate double-sided printing, and perfect image geometry.

Acuity F produces exceptional image quality at print speeds of up to 155m<sup>2</sup>/hr, producing consistent, pin-point ink drop placement accuracy across the whole sheet. The print carriage carries 42 greyscale printheads and weighs over 90kgs, so the carriage runs on air bearings over a glass plate surface that enables it to move smoothly and precisely at a constant distance close to the print surface. Acuity F features dynamic drop placement control, which actively compensates for micro-level unevenness across the bed surface.



*Acuity F allows you to select the right production speed and image quality to produce a range of applications, from close view to display print.*



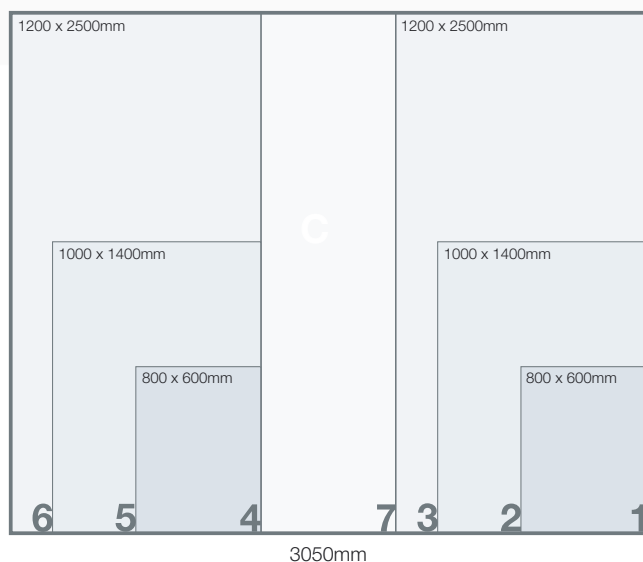
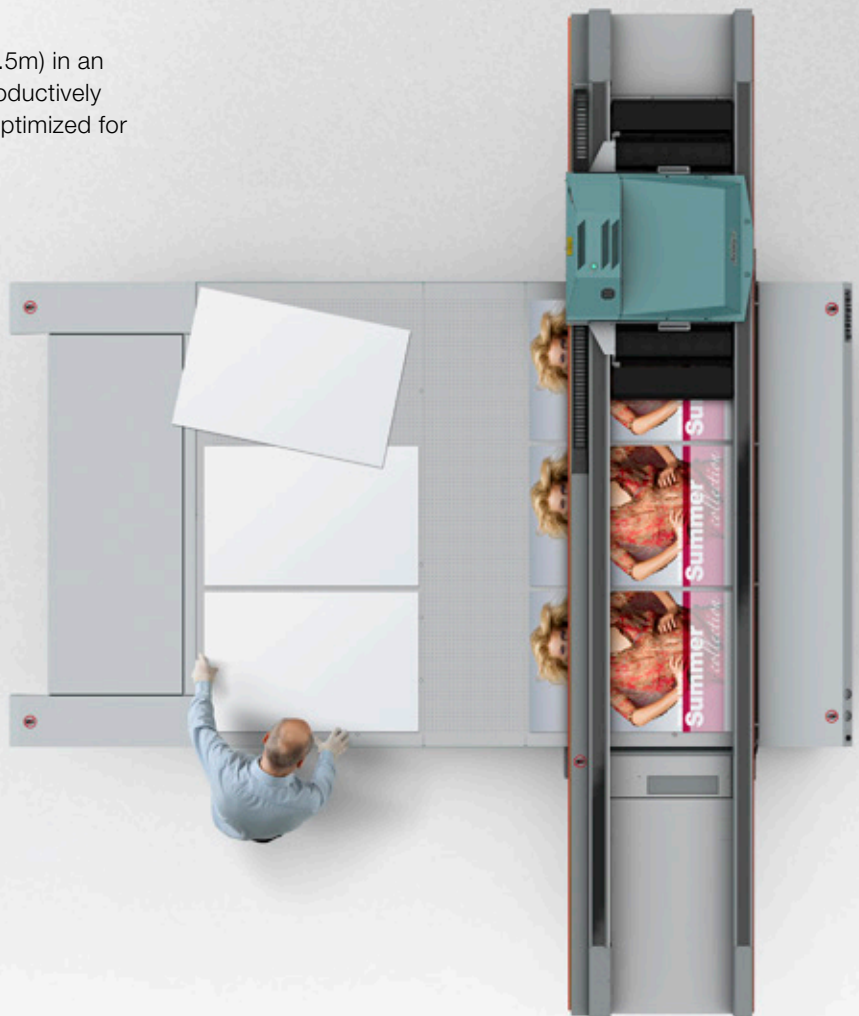
## Built for production efficiency

Acuity F can print almost 200 boards (1.25 x 2.5m) in an 8 hour shift. To enable the operator to work productively with the machine, its design and features are optimized for efficient handling, workflow and maintenance:

### Eliminate downtime during media changeover

For longer print runs, Acuity F can run in a continuous production mode, with the carriage printing at one end of the table while the operator unloads and loads sheets at the other.

Simultaneous printing and media changeover substantially increases productivity.



### Dedicated vacuum flatbed with reduced bed masking

The dedicated flatbed table is a robust surface equipped with a high flow, high pressure vacuum, produced by two powerful pumps. A high initial draw down ensures that slightly irregular sheets are pulled down perfectly flat to the bed surface. Acuity F features an adjustable vacuum strength that provides optimum handling for different sheet materials, including irregular shapes, heavy, smooth or pre-cut sheets.

Seven vacuum zones, including one central zone, are tailored to common media sizes to reduce the amount of bed masking required.



### Accurate sheet registration

For fast loading and accurate positioning of sheets, Acuity F is equipped with two sets of pneumatic registration pins. Repeatable accurate positioning also makes it possible to print double-sided sheets in perfect registration, or even produce large scale images tiled over multiple boards.



### Automatic maintenance

Acuity F takes care of the 27,000 inkjet nozzles through its Automatic Maintenance System. This reduces the amount of manual cleaning required and the automatic process is clean and more consistent. A full cleaning cycle takes just three and a half minutes for all colour channels, keeping machine downtime to a minimum. There is also an option to quick clean individual colour channels.



### Productivity enhancing software

Acuity F incorporates a variety of built in features that provide production flexibility even after jobs have been processed by the RIP. For example a collation printing mode enables long print runs to be produced in an order that is convenient for post finishing or shipping, so prints don't have to be sorted manually.

The control station software is optimised for ease of use and guides an operator through job setup step-by-step. Even routine maintenance procedures are guided by the control software.



## Uvijet ink: The technology that fuels the machine



### UV inks engineered by Fujifilm

A wide format inkjet printer is only as good as the ink that fuels it. Designed and manufactured at Fujifilm's award-winning\* production facility in the UK, industry-leading Uvijet ink incorporates unique Micro-V ultrafine dispersion technology to maximise pigment loading - delivering strong, vibrant, lightfast colours with superior colour gamut.

With variable drop-size printheads and highly pigmented inks, Acuity F printers lay down a thin ink film to minimise production costs.

### Wide application range

Uvijet ink for the Acuity F is designed for high adhesion and high print speed. It cures to a low reflection matt finish with a tough, durable surface which doesn't need to be laminated. The ink has a wide adhesion range covering most display materials and it is also possible to print on unusual, creative materials like wood.

Acuity F has a built in anti-static bar to enable printing of materials like PVC.

\* Fujifilm's ink manufacturing plant in Broadstairs, UK, won the "Best Process Plant" award in the UK Best Factory Awards 2011 and 2013.



### Smooth skin tones and vignettes

Acuity F is equipped with light magenta and cyan inks as standard, which make it possible to produce consistent, high quality images at high production speeds. Light inks also enhance colour reproduction, producing smooth tonal images like skin tones, vignettes and lighter solid colours.

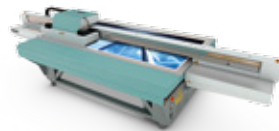


### Extended applications with white ink

A white ink channel is available on the 7 channel Acuity F model. A high opacity white ink makes it possible to print on clear and non-white materials, extending the range of applications that can be produced. White inks on all Acuity flatbed printers are renowned for their high opacity and whiteness.

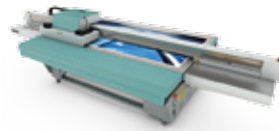


## World-class printer platforms



### Acuity flatbed series

Acuity F is part of the Acuity flatbed series of printers from Fujifilm. They are professional production printers, featuring the latest inkjet technology to deliver superb performance and outstanding image quality, with a range of investment and upgrade options, depending on your application needs.



### Acuity Advance Select

The most versatile Acuity Advance, with roll option. Up to 8 colour channels, including white and clear options. Suitable for a wide range of creative print applications.



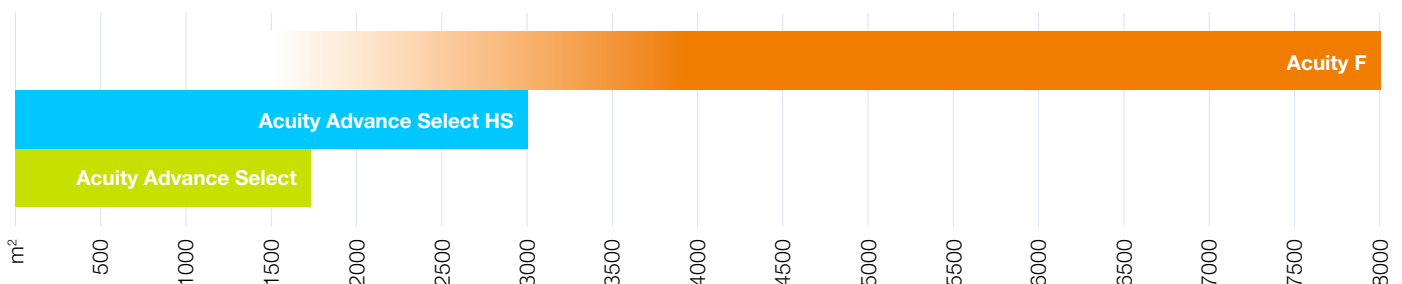
### Acuity Advance Select HS

The most productive Acuity Advance, with roll option. Up to 6 colour channels, including white and clear options. Suitable for printers demanding a faster production machine.

### Acuity F

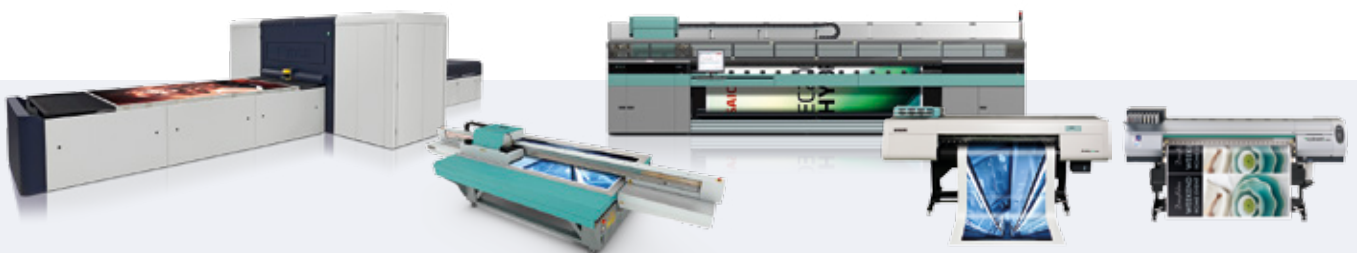
Highest productivity Acuity flatbed, engineered to deliver high quality at high speed. With up to 7 colour channels including light inks as standard and white ink option.

Guide to monthly production capacity - based on 4hrs production per day, 20 days per month



## Fujifilm wide format printer systems

Fujifilm's high performance inkjet platforms are based on UV curing inkjet technology, fuelled by Uvijet ink which delivers instant curing and high production speeds with excellent image quality and colour vibrancy.



### Inca Onset series

*The world's fastest dedicated wide format flatbeds*

### Acuity flatbed series

*The world's most popular mid-range flatbed platform*

### Uvistar series

*The cost-effective platform for superwide graphics*

### Acuity LED

*High quality, versatile roll printer with the latest LED UV curing*

### Vybrant

*Fast turnaround roll printing with FUZE ink technology*





## Specifications

		Acuity F	
		F66	F67
Rigid media	Max size	3.05 x 2.50m	
	Max thickness	50.8mm	
	Max print area	3.06 x 2.51m	
	Max weight	34kg/m <sup>2</sup>	
Ink	Type	Fujifilm Uvjet WI ink series	
	Package	2 litre pouch (cyan, magenta, yellow, black, light cyan, light magenta) 2 litre pouch (white)	
	Colours	CMYKLcLm	CMYKLcLm + white
Colour Channels		6	7
Printheads		Piezo drop-on-demand, variable drop range 6-42pl	
Dimensions (W) x (L) x (H)		5.72 x 4.82 x 1.48m	
Power		3 phase, 200-240 VAC 50/60 Hz 30A (delta) Continuous power consumption 9.6kW (max)	
Compressed air requirement		Pressure max 120psi / 867kPa Peak flow 12ft <sup>3</sup> /m at 100 psi or 340ltr/m at 690kPa Continuous flow 1ft <sup>3</sup> at 100 psi or 28ltr/m at 690kPa	
Weight		1,815kg	
Network		10/100/1000 Base-T	

**Acuity F**

## Print modes and speeds

Mode	F66	F67
Express	155m <sup>2</sup> /hr	
Production	100	
Quality	72	
Quality Smooth	40	



Please contact your local Fujifilm partner or visit [www.fujifilm.eu/print](http://www.fujifilm.eu/print)

### For further information:

**Web** [www.fujifilm.eu/print](http://www.fujifilm.eu/print)  
**YouTube** Fujifilm Print  
**Twitter** @FujifilmPrintEU

**FUJIFILM**