

Uvistar Series

PRODUCT BROCHURE

Fast UV inkjet platform for wide format
and superwide format graphics



UVISTAR

The fast, flexible platform for superwide graphics



UV curing inkjet is quickly becoming the technology of choice for the production of superwide graphics. It has enabled industrial inkjet to reach new levels of productivity and versatility as UV inkjet is instant curing and the process is clean, efficient and waste is minimised.

With throughput speeds of over 350 m²/hr (5 m model), Uvistar printers are fuelled by Fujifilm's own high-performance Uvijet inks, producing high-quality, vibrant images. Uvistar is suitable for the production of a variety of poster displays, point-of-purchase materials, billboards, vehicle graphics and backlight signage up to 5 metres wide, but new Uvijet ink developments make it possible to further broaden the range of media that you print on, like polyethylene for single-skin posters.

The Uvistar series includes a range of models and configurations to suit your production and investment needs.





Class-leading image quality

Even in high-speed print modes, Uvistar printers produce strong, vibrant, high-quality images. As a leading ink manufacturer, Fujifilm is in an excellent position to provide industry-driven solutions. Inks are formulated in combination with printer development. The following features help to deliver excellent quality:

- ▶ Fujifilm Uvijet award-winning UV inks
- ▶ Parallel Drop Size (PDS) technology for smooth images

Uvijet

Uvijet inks - Fuelled by the best

The life-blood of Uvistar is Uvijet ink. It is manufactured with Fujifilm's patented Micro-V dispersion process, which reduces the pigment to a size smaller than a human cell.

This means that printheads are much less likely to block, saving time and money. It also allows higher pigment concentrations and the result is visibly stronger, more vibrant colours.

Thanks to the concentration of pigment, Uvijet offers phenomenal mileage.

Uvijet inks deliver:

- ▶ Excellent adhesion to most display PoP materials
- ▶ Great finishing properties
- ▶ Class-leading print quality
- ▶ Excellent spot colour reproduction
- ▶ Can print to ISO12647-2 offset sheet standard

Parallel Drop Size technology

Supported on the Uvistar II, Pro-8 and Pro-8W, PDS is a clever software algorithm that enables jetting within the same print pass of both small and large droplets (20 pl and 40 pl) without any reduction in throughput speed. Using smaller droplets helps to smooth images, which, if viewed close up, may otherwise appear grainy.



New 7pl dropsize on Quantum models

With the release of Gen-5 heads on the new Pro-8Q and Pro-8QW models, a native 7pl drop size is now supported allowing superb HD print quality. Reproduction of precise and sharp 4-point text is also possible making the new Uvistar Quantum models perfectly suited to close-view indoor graphics.



PDS technology produces 20pl and 40pl drops in the same pass, improving print quality.



Uvistar II - Dedicated to high-volume outdoor graphics

Outdoor advertising has to compete with both traditional print and broadcast advertising, as well as new, fast-growing online challenges. Banners and posters need to be produced quicker and cheaper than ever before. Uvistar II has been developed specifically to meet this challenge and combines greater speed, image quality and media versatility.

We believe that the Uvistar II is the 'best in class' outdoor UV inkjet printer in the market today, fuelled by Fujifilm core ink technology. The Uvistar II combines simple operation, robust build quality and a Uvijet ink system to deliver brilliant images with high productivity.



Key features of Uvistar II:

- ▶ Over 350 m²/hr throughput
- ▶ Available in 5m roll media configuration
- ▶ Excellent ink and material performance on heat-sensitive substrates like polyethylene
- ▶ Very quick startup and simple operator maintenance, reduced downtime.
- ▶ Fast media changeover and setup - enhanced productivity and versatility
- ▶ Robust industrial printheads





Uvistar Pro8 - For both high-volume outdoor and high-value indoor display graphics

Uvistar Pro8 delivers high image quality with productivity. With a light colours ink set, it is designed to extend the print capabilities for superwide print providers to include close-view, high-value images. When combined with the optional automatic rigid media system, Uvistar Pro8 widens the application range to include exhibition graphics, point-of-purchase displays, graphic arts and other indoor displays, giving you more opportunities to set yourself apart from the competition.

With this new platform comes a new Uvijet ink system, developed to meet the specific needs of indoor applications.



Key features of Uvistar Pro8:

- ▶ Uvijet light inks for high-quality close-view internal graphics
- ▶ Optional rigid media handling system
- ▶ Excellent ink and material performance on heat-sensitive substrates like polyethylene
- ▶ Very quick startup and simple operator maintenance - reduced down time
- ▶ Fast media changeover and setup - enhanced productivity and versatility
- ▶ Robust industrial printheads
- ▶ Automatic ink switching between 4 and 8 colour



Uvistar Pro8W - For both high-volume outdoor and high-value indoor display graphics - *with white ink*

The Uvistar Pro-8W offers all of the features of the Pro-8 plus white ink allowing you to print a white layer under or over the C,M,Y,K,LC,LM,LK content. Applicable for spot colour treatment as well. With two channels of white across eight dedicated print heads, opacity and smoothness of the white ink is dynamic. Available in 3.5 m and 5 m sizes.



White can be used for various challenging applications including:

- ▶ White printing only, on either clear or coloured media, for window decoration or signage
- ▶ White printing as background for colour printed on top
- ▶ White printing on top of colour printing, for reverse print on clear media, for decals or window graphics
- ▶ White printing for double sided blockout printing





New

Uvistar Quantum Super-wide indoor graphics with High Definition printing

Released at Fespa 2015, with High Definition printing using a 7pL drop size, is the new Uvistar Pro-8Q and Pro-8QW with white ink.

With many of the proven features of the popular Uvistar Pro-8 - and now with HD print quality - the Uvistar "Quantum" Pro-8Q/W is ideally suited to close-view indoor applications such as point of sale, point of purchase, backlit signs and exhibition graphics.



Key features of Uvistar Pro-8Q

- ▶ HD print quality perfectly suited to close-view indoor graphics
- ▶ Native 7pL drop size for superb transitions, vignettes, skin tones and shadows
- ▶ Precise and sharp 4 point text
- ▶ Optional rigid media handling system
- ▶ Excellent ink and material performance on heat-sensitive substrates like polyethylene
- ▶ Very quick startup and simple operator maintenance - reduced down time
- ▶ Fast media changeover and setup - enhanced productivity and versatility
- ▶ Robust industrial printheads
- ▶ Automatic ink switching between 4 and 8 colour



UVISTAR PRO-8Q

UVISTAR PRO-8QW

Uvistar Pro8's hybrid roll to roll or rigid media capabilities can increase profit potential without the need to invest in dedicated flatbed equipment.



Roll and rigid media handling for ultimate flexibility

For uninterrupted production of superwide graphics, Uvistar's media load and unload system is very simple, with quick roll changeover. Setup produces only 30 cm of waste on the leading edge and handles rolls up to 340 kg.

For additional capability, Uvistar can be fitted with multi-roll handling and rigid media handling options:



Multi-roll capability

With the multi-roll feature, users can work simultaneously on up to three rolls, up to 160 cm wide to optimise productivity and deliver the job on time. Capable of printing multiple rolls with cores of varying weights, widths and diameters, Uvistar is extremely versatile. Optional multi-roll core holders aid the collection of lightweight medias and fabrics with a total roll weight up to 25 kg.



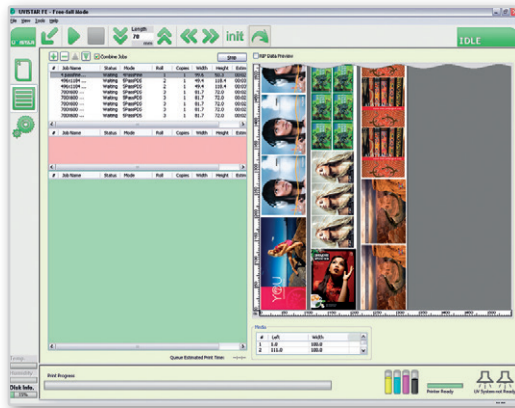
Flatbed option

Uvistar Pro8 has optional automatic media load and unload tables for rigid media handling. As media sheets are held by vacuum suction and dedicated drive rollers and print head height is automatically set accurately to the media, print quality isn't compromised as it is on some other hybrid printers. Uvistar can handle an extended range of rigid substrates up to 25 mm thick by a massive 2.5 x 3.3 m.



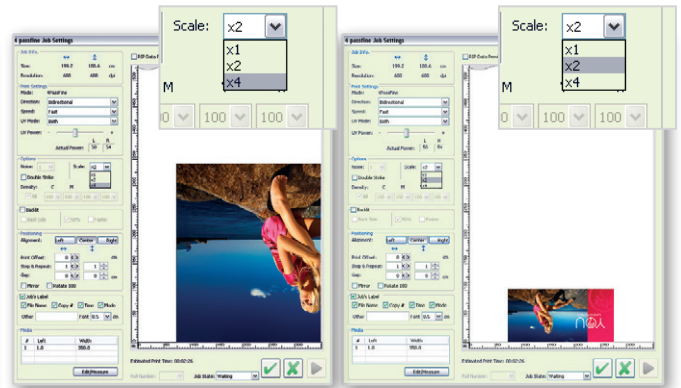


Features to improve productivity



Multi-file printing

This new feature allows up to 3 different images to be printed simultaneously when using the multi-roll mode. Images can be ripped separately and tiled across the material on press, prior to print. The new media saving wizard can arrange all images in the RIP queue across the media to minimise material waste.



Scale-up

For very large graphics that will be viewed from more than 3 m, the scale up function greatly reduces the RIP time for files. Print files can be magnified by a factor of 2 or 4 times the original dimensions on the print PC.

Options to extend capability



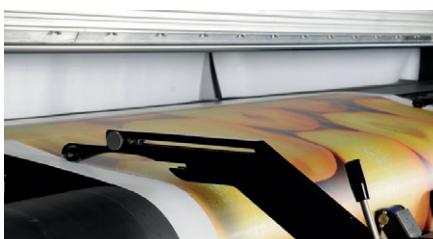
Anti-static bars

This option reduces the impact of static charge on the image found when printing many synthetic fabrics like PE.



Double-sided backlit camera

The backlit camera option enables the production of high-quality vibrant images in perfect registration between front and back sides.



In-line finishing

X and Y cutters separate images 'on the fly' for single or multiple sheets and trim and cut edges prior to takeoff.

Value Added Options



Sheet Collector Kit

Efficiently and neatly collects the printed cut sheets.

- Collects sheeted prints as they are produced
- Allows for easy and orderly arrangement of printed cut sheets



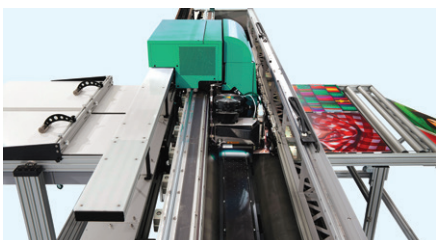
Vacuum Plate for printing on thin sheets & rigid media

The innovative Vacuum Plate turns the Uvistar into a true flatbed printer, without compromises, capable of printing on rigid media and thin media sheets

- Widens your media and applications options
- Allows printing on challenging and exotic substrates, such as corrugated cardboard, Coroplast, styrene and many more
- Available in a selection of sizes:

	Width	Length
A	1.52 m (60 In)	1.01 m (40 In)
B	1.21 m (4 ft)	2.43 m (8 ft)
C	1.52 m (5 ft)	3.05 m (10 ft)
D	2.00 m (6.5 ft)	3.00 m (9.8 ft)

- Vacuum Plate Kit includes: supporting arms, foldable carrier and quick connection kit
- Maximum media thickness of up to 10 mm (0.39")

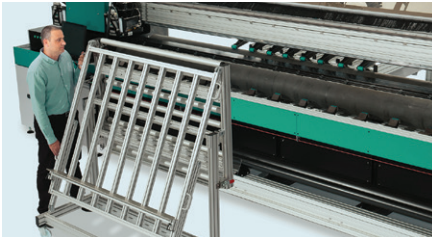


Automatic Flatbed with Loader and Un-loader

Add maximum versatility to your printer. With the Automatic Flatbed you can turn your Matan printer into a Flatbed within minutes, capable of automatically loading and unloading stacks of boards.

- Enables pre-loading stacks of multiple rigid media units
- Automatically feeds multiple boards to the printer
- Neat and orderly automatic collection of printed boards
- Controlled by a click of the mouse, totally eliminating the need for manual loading and collecting
- Load media while printing and increase flatbed print yield
- Foldable for storage, saving floor space
- Media support from 3 mm to 2.54 mm (from 0.118" to 1")
- Meets all size formats, available in 4 sizes:

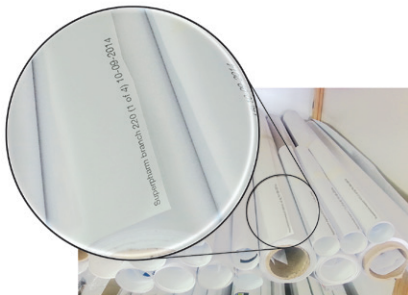
	Width	Length
A	3.3 m (10.8 ft)	2.50 m (8.2 ft)
B	3.3 m (10.8 ft)	1.25 m (4.1 ft)
C	1.65 m (5.4 ft)	2.50 m (8.2 ft)
D	1.65 m (5.4 ft)	1.25 m (4.1 ft)



Automatic Blockout Printing

Blockout printing for double-sided hanging signs and banners is automated by this innovative system, which combines hardware and software, to achieve excellent registration between sides.

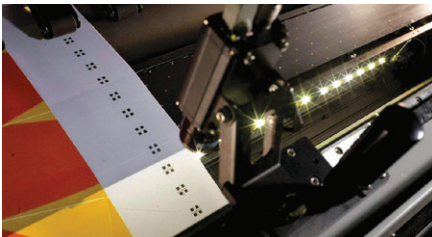
- Fully automatic simple and easy system
- Results in faultless registration between sides
- Eliminates the need for guesswork and manual manipulation
- Reduces required operator expertise level
- Includes a set of optical sensors and dedicated software for a streamlined workflow



Wrinkle Analyzer

No more lost jobs due to faulty media. The Wrinkle Analyzer identifies the wrinkle in the media before the print head reaches it and raises the carriage just enough to avoid ruining the job and continues printing without interruption.

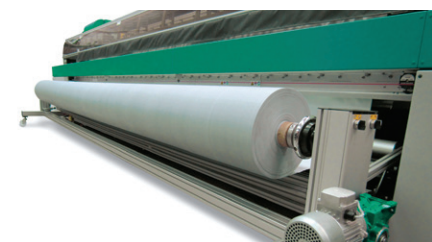
- Identifies wrinkles caused by media manufacturing and adjusts the carriage height accordingly
- Prevents ruined jobs and enables use of low-cost media
- Protects print heads



ID Backprint

A printing device that prints file information on the rear of the media, facilitating the identification of the finished job for packing, shipping and installation.

- Printed data includes:
 - File ID, Printing date and time, Print mode, Copy number and more
- Saves time during installation of printed job
- Eliminates the need for manual labelling
- Helps prevent shipping errors



Jumbo Roll Handling System

Fully integrated system for working with large media rolls of up to 750k /1,653 lbs Includes Jumbo Feeder and Jumbo Collector, each equipped with dancer and external motor

- Enables the printer to handle heavy media
- Saves money on external devices
- Enables continuous, unattended work, without stopping to change rolls
- Reduces media stock
- Increases overall printer utilization



Specifications

	Uvistar II - 5m		Uvistar Pro8 - 3m/5m	Uvistar Pro8Q - 3m/5m
Printing technology				
Printheads	Piezo drop on demand inkjet technology			GEN-5 heads. Native 7pl drop size
Resolution	True 600 dpi, up to 1200 dpi apparent			Up to 1200 dpi apparent
Ink	Fujifilm Uvijet QN - UV curing inks CMYK	Fujifilm Uvijet QN - UV curing inks C,M,Y,K,Lc,Lm,Lk,Y		Fujifilm Uvijet QN - UV curing inks C,M,Y,K,Lc,Lk,Y,W
Performance				
Throughput	Up to 353 m²/hr	Up to 275 m²/hr (3m) / 353 m²/hr (5m)		Up to: 210 m²/hr (3m) / 250 m²/hr (5m)
Media				
Handling	Roll-to-roll Optional manual/automatic rigid media handling system			
Flexible media support	Flex or self-adhesive vinyl, mesh, blue back paper, backlit, spun bonded polyethylene and more			
Rigid media support	Foam PVC, acrylic, aluminim, foam board, glass, wood, Dibond, corrugated cardboard, Coroplast, styrene and more			
Rigid media thickness	up to 25 mm			
Rigid media weight	up to 50 kg			
Rigid media size support	Manual option 1 - 1.6 x 1.2 m Manual option 2 - 3.2 x 1.2 m	Automatic option 1 - 1.65 x 1.25 m Automatic option 2 - 3.3 x 1.25 m Manual option 1 - 1.6 x 1.2 m Manual option 2 - 3.2 x 1.2 m		
Maximum roll print width	5.0 m	3.5 m (3m) / 5.0 m (5m)		
Maximum media width	5.3 m	3.8 m (3m) / 5.3 m (5m)		
RIP				
Software	ColorGATE Production Server			
File formats	eps, ps, tiff, pdf, jpg etc.			
Operating conditions				
Temperature	20-29°C			
Humidity	50-80% - non condensing			
Air	6 bar (87psi), minimum airflow of 100 litres/min of dry and clean air			
Power requirements	380 V / 50 Hz / 3 phase 32 Amp, 18 kW consumption			
Dimensions				
Printer (H x W x D)	2.1 x 8.2 x 1.9 m	2.1 x 6.7 x 1.9 m (3m) 2.1 x 8.2 x 1.9 m (5m)		
Printer and rigid media table (H x W x D)	2.1 x 8.2 x 5.15 m	2.1 x 6.7 x 5.25 m (3m) 2.1 x 8.2 x 5.25 m (5m)		
Weight	5300 kg	4350 kg (3m) 5300 kg (5m)		



Specifications are subject to change without notice.

For further details and more information on Fujifilm's Uvistar Series, please contact your local Fujifilm Graphic Systems representative.

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