

Uvistar Hybrid 320: Overview

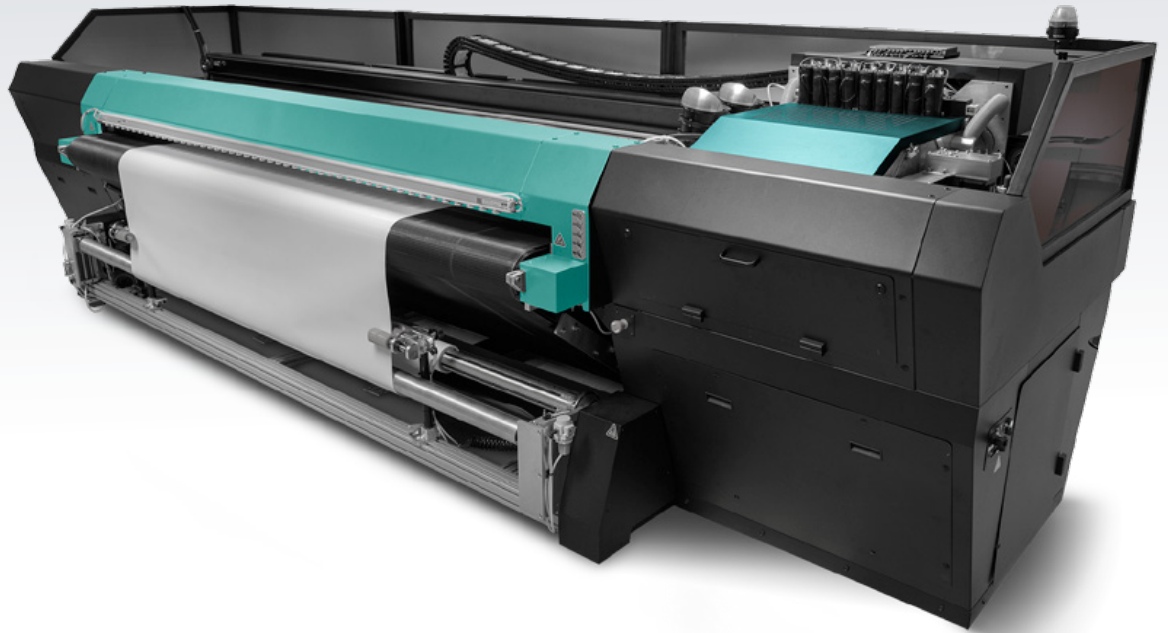
Flexible all-round production hybrid for roll and rigid media

The all-round UV production printer with the flexibility to produce many kinds of display print. From superwide roll to multi-sheet rigid printing, the Uvistar Hybrid 320 offers the potential to broaden production capabilities in one investment.

Key features

- ▶ Roll and rigid media capability up to 3.2m
- ▶ Up to 201m²/hr throughput
- ▶ 10pl drop size with multi-pulse jetting for high image quality
- ▶ Wide gamut multi-substrate Uvijet inks
- ▶ White ink option
- ▶ Light colours and orange as standard
- ▶ 6 zone vacuum table
- ▶ Continuous sheet and roll printing
- ▶ Multi-sheet printing





Produce a wider range of print

Have the flexibility to take on any kind of work

Handle a wide range of flexible and rigid materials up to 3.2m wide and even print large rigid boards. Together with its multi-substrate ink system, the Uvistar Hybrid 320 enables you to deliver most kinds of display print jobs that your customers need.

Robust build, powerful specification

This printer is a workhorse, built to withstand the rigours of continuous production. The chassis is a single piece welded frame with the print carriage running on dual rails for minimal vibration at high print speeds. Industrial quality components include Fujifilm Dimatix QS printheads, Honle UV lamps, Allen Bradley control systems and Fujifilm Uvijet inks.

Maximum uptime, reliable production

UV inkjet technology enables fast start-up with only simple operator maintenance. This printer is designed for efficient production with minimal operator intervention and fast media changeover. Fujifilm's global service network can support the machine on-site or use the Uvistar Hybrid 320's built-in reporting features to quickly resolve operational issues.



Excellent all round performance

Unique media transport system

The media transport system design is unique to this printer and offers best-in-class belt tension control, tracking accuracy and wrinkle reduction.

Industrial printheads

Fujifilm Dimatix QS256 industrial printheads are proven in high performance print production with excellent jetting reliability. VersaDrop™ technology automatically adjusts the size of the drop (10 to 30 picolitres), using smaller drops for smooth gradations, fine text and details and larger drops for areas of solid colour.

Intelligent vacuum system

A six zone intelligent vacuum system automatically adjusts the strength of the vacuum depending on the area the media covers. The vacuum level can be adjusted by the operator for media that is in poor condition or is heat sensitive or porous.

Uvijet multi-substrate inks

The dedicated Uvijet ink set is designed to provide excellent performance on a wide range of materials, including paper and board, vinyls, PETG, styrene, polycarbonate, aluminium composite, polyethylene and polypropylene.

Eight colour ink set

The standard colour set includes CMYK, light cyan, light magenta, light black and orange. The light inks produce very smooth tonal areas, while Orange extends areas of the achievable colour gamut. A white ink option enables printing on clear and coloured media. Prints can be produced with a satin or gloss finish.

Remote diagnostics

An on-board camera and a range of machine reporting features can be viewed by the service team for remote troubleshooting and performance improvements.

Maximum efficiency

Continuous board printing mode

A continuous board mode increases productivity when feeding multiple sheets or rolls of the same stock. This saves downtime between sheets as the print carriage continues moving.

Hot folder queuing system

After the printer is set up and started, jobs are printed as soon as they hit the queue. There is also a priority queue for when a job needs to break into the current workflow.

Fast media changeover

Media loading, changeover and switching between roll printing are optimised to minimise downtime. For rigid printing a set of support tables are fitted. This simple process takes just a couple of minutes.

Simple operation and maintenance

Only minimal maintenance procedures are required daily and weekly. A fast start-up enables printing to begin within a few minutes.



Technical specification

Uvistar Hybrid 320		
Printer	UV hybrid with 3.2m roll-to-roll and flatbed tables	
Rigid media	Max size	3.2m x any length
	Max thickness	50mm
	Max print area	1.26 x 2.51m
Roll media	Max print width	3.2m
	Max roll width	3.2m
Media types	APET, PETG, styrene, polycarbonate, matt PVC, gloss PVC, foam PVC, aluminium composite, polyethylene, polypropylene, paper, SAV, banner PVC	
Ink	Type	Fujifilm Uvijet US colours. CMYKLcLmLk Orange. Optional white
	Package	Colours and flushing solution (QV017) are available in 5kg tagged containers
	Configuration	CMYKLcLmLk Orange. Optional white
	Reservoir	Internal tanks automatically filled via 5kg containers
Printheads	8 Dimatix Q-class heads per colour with up to a maximum of 9 channels	
Printing resolution	Jets 10, 20 & 30pl drops using variable drop technology. Max true dpi 800 x 400. White channel heads eject 30pl drops only	
Curing system	Mercury Arc Lamp. Lamp life 1000 hours	
RIP recommendation	Caldera V10 ColorGATE Production Suite 9	
Operating environment	13-29°C, > 55% RH (non condensing)	
Compressed air	110psi, 9cfm	
Power requirements	Supply	208V, 3 phase, 50/60Hz, 40A
	Consumption	Peak 20kw, continuous operation 17kw
Dimensions (W x L x H)	Printer only	5.82 x 1.65 x 1.60m
	Footprint with tables (W x D)	5.82 x 5.38m
	Tables	3.25 x 1.27m
	Space requirement	7.41 x 7.82m
Weight	3175kg (Crated 3720kg)	

Print modes and speeds

Mode	Max speed (m ² /hr)
Express	201
High Speed	135
Production	100
Quality	68
Fine Art	51

For further information:

Please contact your local Fujifilm partner.

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