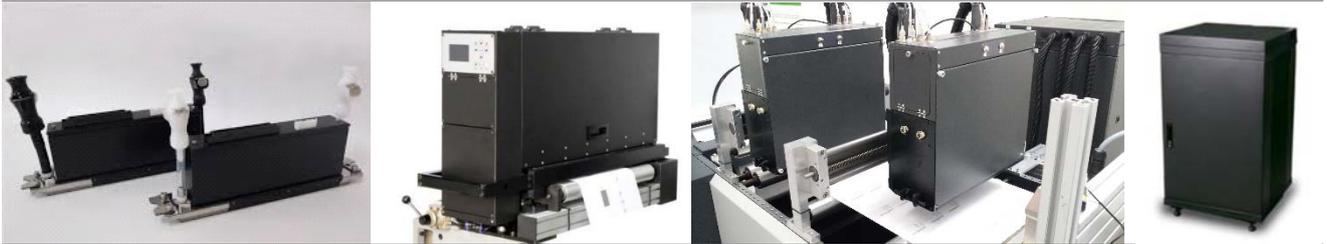


JETSTAR

Monochrome & color water based inkjet system for web and sheetfed applications

Kyocera's KJ4 Series is designed for water-based and uv inks; it achieves high-speed printing at 100 million drops per second. This enables high productivity in single-pass applications, such as transaction printing, packaging, documents, security printing using MICR ink, and multi-pass textile printing.



Technical Data Kyocera:

Model	KJ4A UV-based, KJ4B water based
Height x Width x Depth	68.6 x 200 x 30mm
Number of Nozzles	2656
Resolution	max. 600 x 600 dpi
Print width	108.25 mm (4 1/4")
max. Frequency	KJ4A 30kHz, KJ4B 40 kHz
Drop Volume	5, 7, 12 pl
Viscosity	5.0 – 6.0 mPa*S

Print Module Sizes (monochrome)

Models	JETSTAR					
	Standard Speed				Double Speed	
	108	216	324	432	108D	216D
Head Modules*						
Number of Print Heads	1	2	3	4	2	4
Printing Width	108mm(4.25")	216mm(8.5")	324mm(12.75")	432mm(17")	108mm(4.25")	216mm (8.5")
Inks	UV, water-based dye, pigment, or MICR ink					
The Number of Colors	Monochrome					
Resolution, Dropsize & Print Head	600 dpi; From 4 to 18 pl; 2 bits, 4 levels; Kyocera KJ4					
Print Type	Images, text, serial numbers, barcodes, dates, time, MICR Fonts etc					
Print Productivity unit: m/min (ft/min)						
Water-based ink	600x300dpi	150~200 (492~656)			300~400 (984~1312)	
	600x600 dpi	75~100 (246~328)			150~200 (492~656)	
UV ink	600x300dpi	100~150 (328~492)			200~300 (656~984)	
	600x600 dpi	50~75 (164~246)			100~150 (328~492)	

Print Module Sizes (color)

Models	JETSTAR Color		
	C108	C216	C108P
Head Modules *			
Number of Print Heads and UV Lamps	4 Heads	8 Heads	4 Heads, 4 UV Lamps
Inks	UV, water-based dye, pigment, or MICR ink		UV ink
The Number of Colors	CMYK		
Resolution, Dropsize & Print Head	600 dpi; From 4 pl to 18 pl; 2 bits, 4 levels; Kyocera KJ4		
Print Type	Images, text, serial numbers, barcodes, dates, time, MICR Fonts etc.		
Printing Width	108mm (4.25")	216mm (8.5")	108mm (4.25")
Print Productivity unit: m/min (ft/min)			
Water-based ink	600x300dpi	150~200 (492~656)	
	600x600 dpi	75~100 (246~328)	
UV ink	600x300dpi	100~150 (328~492)	
	600x600 dpi	50~75 (164~246)	

Printing Control Software (PCS)

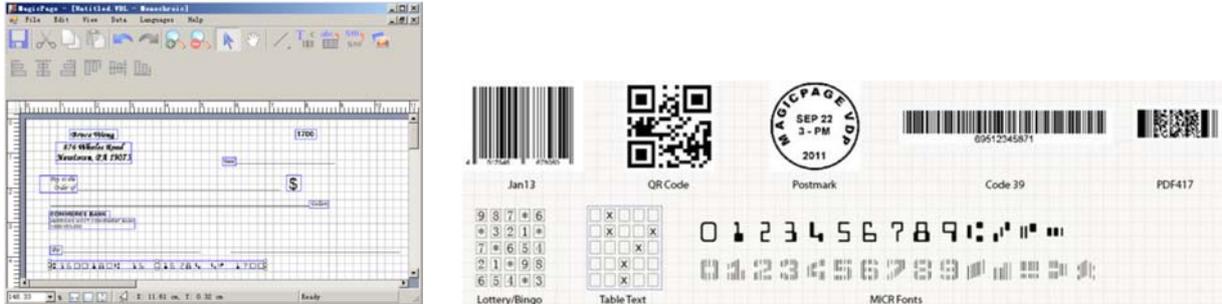


As comprehensive monochrome variable data printing (VDP) inject printing system, Jetstar works seamlessly with the following software to achieve an efficient VDP workflow.

- Touch panel interface to set print head voltage and temperature, select print jobs, show the resolution & status of each job and display print engine status.
- It is specifically designed to use with NuvijET hardware electronics and MagicPage VDP (Variable Data Printing) Software.
- Advanced variable droplet size control technology enable 1 to 3 levels of gray scale ink drop size control to improve the print quality of gradation and color.
- Direct preview of print head configuration and color matching setting.
- Job preview page by page.
- Print head maintenance module for automatic purging, wiping and capping.

It is Window compatible, support TIFF and BMP files.

Software (Magic Page)



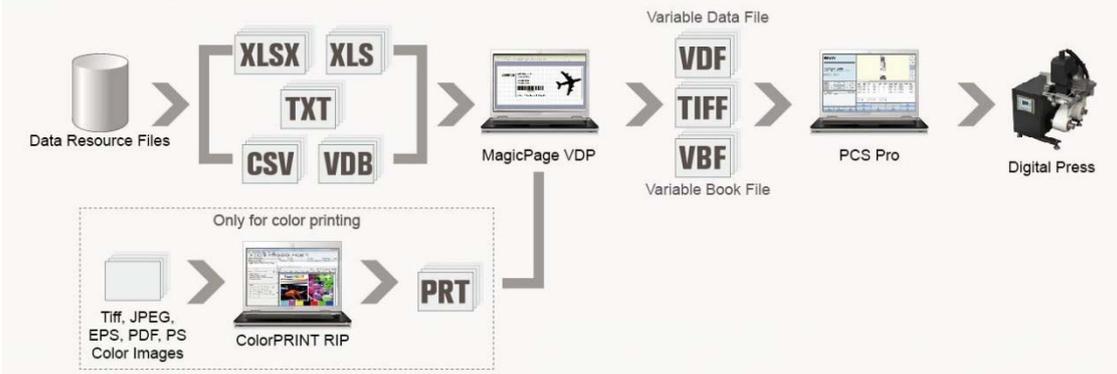
MagicPage VDP integrates multiple advanced technologies, from color management, RIP, content collaboration, to output production. The efficient and streamlined workflow enables users to achieve high speed, accurate and vivid color variable data printing.

Supported fonts and barcodes:

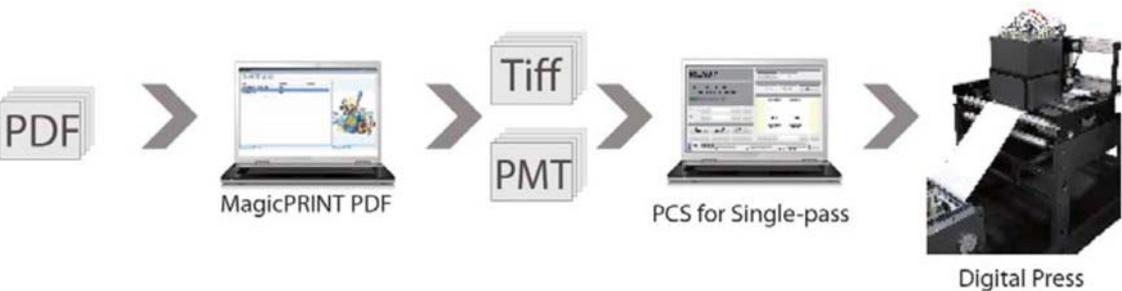
- Single-line, multi-line, numeric codes, time, and serial numbers, MICR standard support available for cheque printing.
- Character, True Type, Type-1 support
- 1-D Barcodes include EAN-13, EAN-8, Code39, Code 128, Codabar, GS1 DataBar-14, IATA 2 of 5, Interleaved 2 of 5, JAN-13, UPC-A, POSTNET
- 2-D Barcodes include PDF417 and QR Code

Specially selected components such as PC (Controller), data imaging board, mark reader and encoder complete the system.

VDP Workflow



PDF Workflow



The solution provider for the graphics industry

The company's priority is finding the best solution to meet the customers requirements. Our products are characterised by extensive experience in the market, established know-how in the graphics industry and mature technology. Our product range:



Digital printing systems

- New and used digital printing systems
- Inkjet print module for personalisation, addressing, barcoding and more



Digital printing post press systems

- Book-on-Demand
- Inserting systems
- Booklet systems
- Cutting lines
- Sheet finishing system



Rotary Presses

- Web offset printing machines:
- Continuous stationary, heat-set, labels, newspapers
- Collators, post press systems
- Web finishing systems
- Spare parts



Security Systems

- Security applications
- Product development

UNI GRAPHICA AG Equipment developed in-house

- Hologram stamping
- Micro-perforation
- Embossing
- Challenger – multi-web technology
- Customised machine building



Consumables

- Consumables
- Small parts and spares



Service and maintenance

- Machine maintenance
- Consulting and services

Please contact us or see our homepage for further information!