

Product Overview

DICEweb is a bolt-on single-pass inkjet print engine for narrow web presses. Designed for tag, label and ticket printers who want to use digital printing to address customer demands for shorter run-lengths and faster job turn-arounds, DICEweb fits easily into an existing workflow. The DICEblade design allows you to reconfigure your DICEweb between runs, just like a standard press.

The DICEweb provides precise in-register printing even after it's moved for cleaning or maintenance. Each print module mates with kinematic mounts that are built into the print bar returning to the exact position every time. Color modules can be moved in and out for maintenance and up and down for automated head tending and returned aligned with the substrate for precise drop placement.

Each DICEweb print module can be easily and quickly removed for service via a sliding rail. This allows complete access to both sides of each printhead, drive electronics and ink supply. This design makes self-servicing the DICEweb simple, drastically reducing down time and eliminating maintenance contracts.

The DICEweb is easy to integrate into existing equipment, protecting users investments and improving productivity. The DICEweb's automatic head tending system eliminates dependence upon manual operator intervention keeping the printhead safe and clean.

DICEweb is configurable in length. The frame can be built to include extra spaces for print modules that can be populated at a later date with new print modules adding new colors, or coatings.



DICEweb with blade in maintenance position



Features

- Unique pull-out design allows for easy access to both sides of the DICEweb's print module for simple maintenance and reduced downtime eliminating the need for maintenance contracts
- Repeatable print bar placement allowing for 5 μ m jetting accuracy
- Available with printheads from leading manufacturers like Fujifilm, Konica Minolta, Kyocera, Ricoh, Xaar and Memjet
- Capable of jetting multiple fluid types including aqueous, solvent based UV and UV-LED curable and functional fluids
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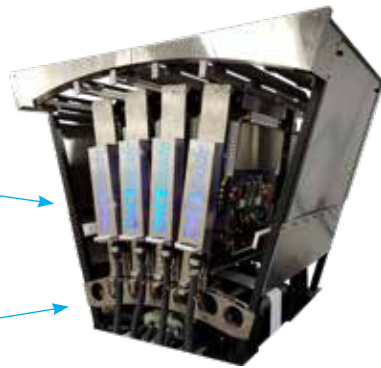


DICEweb retrofit on to a flexo press



Printheads	Standard DICEblade Frame Sizes										
		Size 1		Size 2		Size 3		Size 4		Size 5	
	Frame Width	43.25" (1099 mm)		47.00" (1194 mm)		50.25" (1276 mm)		54.28" (1379 mm)		62.00" (1575 mm)	
	Resolutions / Speeds	# Heads	Width mm	# Heads	Width mm	# Heads	Width mm	# Heads	Width mm	# Heads	Width mm
Fujifilm Samba	1200 dpi / 200 fpm (61 m/min) 600 dpi / 400 fpm (122 m/min)	4	171	6	257	8	344	12	517	16	685
Fujifilm SG 1024	400 dpi / 180 fpm (55 m/min)	2	127	4	254	6	381	7	445	10	635
Ricoh Gen 5	600 dpi / 125 fpm (38 m/min)	3	160	4	213	5	267	8	427	12	640
Konica Minolta 1800i	600 dpi / 160 fpm (49 m/min)	2	148	3	223	4	297	6	445	8	593
Konica Minolta 1024i	360 dpi / 150 fpm (45 m/min)	2	141	3	211	4	281	6	422	8	563
Kyocera KJ4	600 dpi / 250 fpm (76 m/min)	1	108	2	216	3	324	4	432	5	540
Xaar 1003	360 dpi / 80 fpm (24 m/min)	2	139	3	208	4	277	6	416	8	554
Memjet DL	1600 dpi / 50 fpm (15 m/min)	1	72	1	72	2	144	2	144	3	217

The DICEblade module. Each DICEblade is a color (6 blade frame populated with 4 blades)



Passive roller system with encoder for accurate image placement and web control

DICEweb printer



DICEweb on a Mark Andy press

Parameter	DICEweb
Imaging Width ¹	1.7 in (43 mm) up to 60 in (1524 mm)
Print Speeds ²	Up to 121 m/min at 1200 dpi x 600 dpi
Print Resolution	360 dpi - 1600 dpi
Jetting Fluids	Aqueous, UV-Curable, Solvents, and Custom Formulations
Substrates	Labels, Plastic Films, Indoor/Outdoor Signage, Ceramic Tiles, Printed Circuit Boards, and Functional Substrates
Computer	Windows 10 PC, Monitor, Mouse, and Keyboard
Drive Electronics / Software	GIS, Meteor, PLC Code
Power ³	200-240 VAC, 50/60 Hz
Product Dimensions ⁴	7in W x 42.5in H x [Frame Width] L Control box: 36"x14"x60"
Approx. Weight	Depends on configuration Control box: 500lbs
Power	85-240VAC, single phase, 50-60Hz 200 amps; Air: 70psi @2CFM

¹ Standard sizes listed. Larger widths available in custom orders

² Depends upon printhead type

³ Amperage will vary with print width

⁴ See Configuration Options Table for available frame sizes

