

DICE Monochrome Printers



Add digital print in-line with The DICEbase Monochrome

The DICEbase Monochrome printer is a superb way to add one-color digital print capabilities. Leveraging the state-of-the-art DICEblade technology, this compact digital printer is the perfect size to fit in-line with production lines, converting lines, and existing printing presses. Whether your process is web based or on a conveyor, the DICEbase Monochrome printer's design will work for you. It allows you to add variable data and other information to your products, labels and packaging. The DICEbase Monochrome printer works on almost any substrate.

The DICEbase Monochrome digital printer is the fast, effective and efficient way to add digital print capabilities to your processes.

The DICEbase Monochrome features the new patent pending DICEblade technology which includes:

- Permanent mounts which return the printbar to the precise in register position each time you move it. Print quality is improved because the printbar can be perfectly placed within microns.
- The DICEblade is easily and quickly removed for service, allowing complete access to both sides of each printhead, drive electronics and ink supply.
- A self-contained head tending system that cleans and covers the printheads insuring maximum printhead life and performance while preventing nozzle outs.



The DICEbase Monochrome printer's compact design easily integrates into any process. A basic configuration includes the following:

- Printbar with with automatic printhead cleaning
- Print Engine nest for easy maintenance access
- Precision Printbar Mount
- Printheads from 400 to 1200 dpi. (User specified)
- Print speeds from 52m/m (170ft/min) to 122m/m (400ft/min) (Printhead dependant)
- Ability to run UV and UV-LED curable, solvent based and aqueous inks (Printhead dependant)
- Modular Recirculating Ink Supply with Mount, Cables & Controls, supporting Autofill, Autoflush, Temperature & Flow Control
- Control Rack with Power Supply, Bulk Ink Supply, PC & Software

The first of it kinds DICEbase Monochrome improves image quality, system reliability and reduce mean time to maintain while providing the end user more flexibility to change their printing process to meet future requirements.



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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



Control Cabinet



Head tending system

Parameters	DICEbase Monochrome
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 Electorinics /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

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

