



## Product Overview

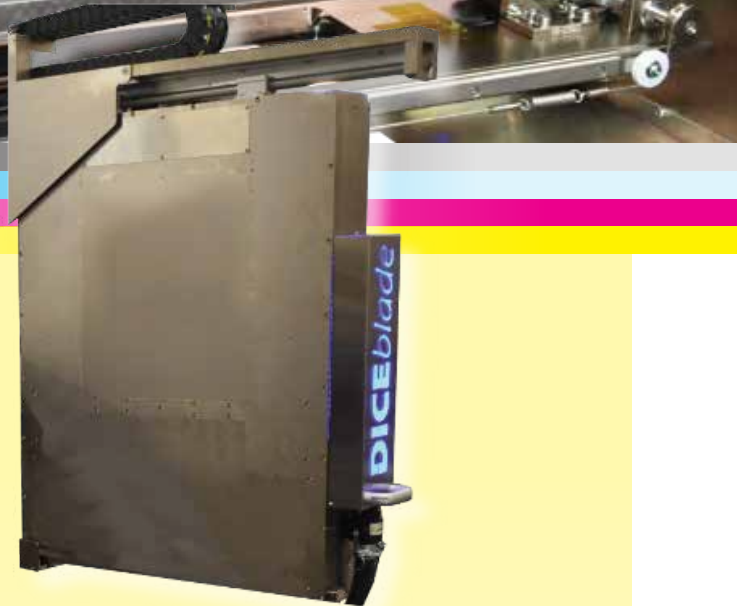
*DICE™ print engines from PPSI have been developed for high-speed single-pass inkjet printing applications. Capable of 229 ft/min (70 meters) from 400 to 1600 dpi, they represent the state of the art for single-pass inkjet printing systems. The DICE™ is designed for flexibility and supports different print head manufacturers, multiple jetting fluid types.*

*The patent pending DICEblade system combines all the components of the DICE™ print engine in to one modular package. The DICEblade system is designed to improve 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.*

*The flexible DICEblade can be mounted on a curved roller system or as a flat system over a conveyor or slide table. The DICEblade supports a wide variety of printheads from leading manufactures including, Fuji, Ricoh, Xaar, Konica Minolta, and Memjet.*

*Wide Variety of Inks - The DICE™ print engines have been qualified with a wide variety of inks. These include aqueous, solvent UV and UV-LED curable inks.*

*Application areas include product decoration, packaging, graphics and labels, ceramic tiles, plastic films, outdoor and indoor signs, printed circuit board legends and functional fluids.*



## Features of the DICEblade System

Each DICEblade fits into permanent mounts which returns the print bar to the precise in register position each time you move it. Print quality is improved because the print bar can be perfectly placed within microns.

The DICEblade can be easily and quickly removed for service, This allows complete access to both sides of each printhead, drive electronics and ink supply.

The Blade version of the DICE™ print engine has spaces for 10 printbars. The Blades can be positioned as required by the customer. Each Blade is either an inkjet color or a UV pinning lamp. This allows the print engine to be reconfigured.

A self contained head tending system that cleans and covers the printheads Insures maximum printhead life and performance and prevents nozzle outs.

Printheads	Standard DICEbase Monochrome Frame Sizes														
	12.25"			16.00"			19.25"			23.25"			31.00"		
	311 mm			406.4 mm			489 mm			590 mm			787 mm		
	# Heads	Print Width	Rear Offset	# Heads	Print Width	Rear Offset	# Heads	Print Width	Rear Offset	# Heads	Print Width	Rear Offset	# Heads	Print Width	Rear Offset
Fujifilm SG 1024	2	5	2.97	4	10	2.97	6	15	2.12	7	17.5	2.87	10	25	2.97
Fujifilm Samba	4	6.71	2.76	6	10.11	2.76	8	13.54	2.85	10	16.96	3.15	15	25.4	2.7
Xaar 1003	2	5.4	2.76	4	10.8	2.75	5	13.5	2.75	6	16.2	2.87	9	24.3	2.75
Keyocera KJ4	1	4.25	2.75	2	8.5	2.75	3	12.75	2.75	4	17	2.87	6	25.5	2.75
Memjet DL	N/A	N/A	N/A	1	8.5	3.75	1	8.5	3.75	2	17	3.125	3	25.5	2.75



*DICEblade  
1 Color mounted  
on a flexo press*

*DICEblade  
10 Color Arched Roller  
Web Configuration*



## Specifications

Size	6.5" W x See Chart above L x 45.5" H
Print Speed	Up to 120m/min (400 f/min)
Resolution	400 to 1200 dpi
Ports	Inflow outflow tubes for printheads
Capacities	Head Supply 150 ml, 10 micron filter
Connections	Ethernet Cable, Power Cable
Power	24 V DC
Input/Output Pressure Variation	+/- 0.2 kPA
Control Cabinet	33"W x 40" L x 46" H
Temperature Control Variation	+/- 1 deg C
Printheads	See Chart Above
Inks	UV, aqueous and solvent based

*DICEblade  
4 Color Flat  
Configuration*



*Control Cabinet*

