



## What is DICEjet?

DICEjet is a range of UV-curable inkjet inks that takes advantage of the latest developments in ink chemistry to meet a wide variety of customer needs.

From different label stocks and flexible packaging materials to cartonboard, to plastics, glass and metal objects, there is a DICEjet ink that meets the needs of the application. The DICEjet range includes LED-curable inks as well as inks designed with food safety and other specialist needs in mind.

DICEjet inks are supplied in the standard process colors: cyan, yellow, magenta & black, as well as a high-opacity white, and a clear lacquer. Special 'spot' colors can be supplied on request. Ink and flush are sold in 5 litre 'bag-in-box' containers.

## Why DICEjet?

DICEjet inks are optimized to work with the recirculating ink system in the printheads used in DICEweb and DICEbase inkjet printers. Each formulation of ink typically requires a custom-tailored 'waveform', used in the printhead to form the optimized droplets that ensure good printing performance.

DICEjet inks are extensively tested and guaranteed to be compatible with the materials used in the printheads and ink supply systems, ensuring that the ink causes no damage to these parts, and

## DICEjet Product Families

DICEjet Name	Application
DICEjet Alpha	General-purpose inkjet application
DICEjet Alpha LED	LED-curable at high speed
DICEjet Beta	High-adhesion ink for difficult substrates
DICEjet Sigma X	Low surface-tension inks for smoother graphics
DICEjet Delta	'Hybrid-compatible' inks
DICEjet Gamma	Special-purpose applications e.g. EB-curing

that the ink remains uncontaminated. Of course, the inks are designed to perform well in specific print applications and on a variety of materials.

Inkjet inks are not like flexographic inks – they have much lower viscosity, and the pigment particles are ground to much finer sizes. The formulations are typically more complex, to ensure both the performance of the ink on the substrate, and the performance in the printhead and of the ink drops in flight.