

TECHNICAL DATA SHEET

Product Features & Substrates

Features

DNSC Value-Series inks are based on a new family of dyes/pigments formulated with special ingredients, to achieve an unprecedented coverage and ultra-smooth appearance on various substrates with beautiful color concentration. Available in vivid ink colors: Cyan, Magenta, Yellow, Black, Red, Green, Blue and custom Pantone® colors per request.

Ink vehicle:	Aqueous
Ink type:	Dye, Dye/Pigment Hybrid
Color:	Black
Viscosity:	2.0-6.5cPs*
Surface Tension:	32-42 dynes/cm*
pH	7.0-8.5*
Lightfastness:	Excellent
Waterfastness:	Good
Smudge proof:	Yes
Shelf life:	> 24 months

Ideal Product Use Conditions*

All x-nano™ inks and ink parameters are specifically adjusted to meet the requirements of print-head types and manufacturers.

Media compatibility: porous, non-porous, coated, glossy and offset.

Ink Handling

Proper use and handling will provide optimum print quality and print life. It is recommended that all personnel handling the ink wear gloves and eye protection. Clean up any ink spill immediately. Should ink come in contact with skin, wipe ink off the area with a clean, dry cloth rag and wash affected area with soap and water.

Storage/Shelf Life

Optimal temperature range for storage is 41°F - 95°F (5°C - 35°C). Keep out of reach of children. This product has a shelf life of 24 months from the date of manufacture when stored under preferred conditions. Exposing the ink to temperatures higher or lower than preferred may have an adverse effect on performance and/or shelf life. The ink needs to acclimatize to room temperature before calibration and printing.



V

V-SERIES:

x-nano™ Premium Black

VALUE Inkjet Ink

DNSC's x-nano™ Value-Series inks are fade-resistant, streak-free, water-based inkjet inks in incredible colors. These premium dye and dye/pigment hybrid inks are fast-drying, easy and fun to use.

Order S-Series Inks

[Request quote](#)

* Results may vary according to your print conditions. To the best of our knowledge this data sheet is accurate, however; DNSC assumes no liability for the accuracy of this information. The final determination of the suitability for a particular use is the sole responsibility of the user.



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Ink Performance

DNSC's x-nano™ Value-series traditional CMYK color ink set, with optional custom color selections, are developed to significantly increase overall print life while producing better-quality overall image quality. DNSC's premium inks dry fast allowing for increased printing speeds and elevated productivity. Ink ensures consistent results for a wide variety of printing needs. Its specially formulated ink gives you crisp, sharp prints that resist smudging.

Applications

- Fast drying and permanent printing on standard, matte finish paper, semi-gloss, or glossy coated papers, labels and packaging.
- High-definition coding such as datamatrix codes, graphics and text on a variety of surfaces.
- High-speed production environments.
- Available in a palette of trendy colors customized to your individual needs.

Ink Volume

Custom packaging available upon request.

Operating Conditions

Temperature: 66 ° F – 80 ° F [19 ° C – 27 ° C]
Humidity - Optimum: 40% - 60% (non-condensing)
Operational: 30% - 70% (non-condensing)

DNSC's Warranty

DNSC guarantees the quality of ink it fills into qualified ink containers (INKVERSE™, TIJ 2.5 Cartridges, Other DNSC certified containers). However, it cannot guarantee the printed results since DNSC has no control over customers' operating and printing procedures. While all information on use of this product is provided in good faith, the customer bears sole responsibility in its end use.

Liabilities associated with using this product are limited to the purchase value of the product.

Validated Equipment for digital inkjet technology

Amica Systems, Brother, Canon, Domino, Epson, Fuji-Dimatix, Hewlett Packard, Impika, Infoprint, Kodak, Konica-Minolta, Kyocera, Lexmark, Pitney Bowes, RR Donnelley, Screen, Panasonic, Ricoh, Xerox and many more.

Do you have questions about this product? [Ask question](#)

Other x-nano™ V-Series Inks

VKD-X¹ x-nano™ Premium Deep-Black/Hybrid

VC-X¹ x-nano™ Premium Cyan

VM-X¹ x-nano™ Premium Magenta

VY-X¹ x-nano™ Premium Yellow

VR-X¹ x-nano™ Premium Red (Spot)

VB-X¹ x-nano™ Premium Blue (Spot)

¹X specifies Printer system and Print Head Compatibility

Similar Products

x-nano™ E-Series: Elite Cyan

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