



**TX650 Series
Sublimation Inkjet Ink
for Roland, Mutoh, and Mimaki
Wide Format Printers**



- **Bright Vibrant Colors**
- **Superior Fastness Properties**
- **Excellent Transfer Definition**
- **Wide - Vivid Color Gamut**
- **Long Shelf Life**
- **Industry Leading Warranty**
- **Excellent Outline Definition**

TX650 dye-sublimation ink is formulated specifically for use on a range of Wide Format digital printers 42" wide or wider. Designed for printing onto paper before being heat-transferred onto fabric, TX650 ink is ideal for an array of transfer applications from printing sportswear garments to outdoor signage.

The brightness and consistency of color and outline definition offered by TX650 ink is exceptional. The excellent fastness and durability properties TX650 inks deliver will ensure the print enjoys superb durability and longevity.

TX650 ink is manufactured using the latest production techniques with high grade raw-materials. Reliability of TX650 ink in the printer is superb, the ink will run flawlessly hour after hour.

With over 10 years of experience, knowledge and expertise of developing and manufacturing high-quality dye-sublimation inks you can have total confidence that TX650 ink will deliver the performance, reliability and quality needed for demanding applications. TX650 ink is supplied with a comprehensive warranty and 12 months shelf-life. TX650 ink is available in a selection of 1-liter bottles suitable for the majority of bulk-feed systems currently available. Making the transition to TX650 ink is a smooth, trouble-free process.

DESCRIPTION	
1-liter bottle - (suitable for pour-in bulk feed systems or refillable cartridges)	
LTAS650NCY1L	TX650 Cyan 1LN
LTAS650NMA1L	TX650 Magenta 1LN
LTAS650NVE1L	TX650 Yellow 1LN
LTAS650NKK1L	TX650 Black 1LN
LTAS650NML1L	TX650 Light Magenta 1LN
LTAS650NCL1L	TX650 Light Cyan 1LN
LTAS650NCF1L	TX650 Flush Solution 1LN
1-liter bottle (suitable for Manoukian BFS)	
LTAS650MCY1L	TX650 Cyan 1LM
LTAS650MMA1L	TX650 Magenta 1LM
LTAS650MYE1L	TX650 Yellow 1LM
LTAS650MKK1L	TX650 Black 1LM
LTAS650MML1L	TX650 Light Magenta 1LM
LTAS650MCL1L	TX650 Light Cyan 1LM
LTAS650MCF1L	TX650 Flush Solution 1LM
1-liter bottle (suitable for Sensient BFS, pour-in BFS or refillable cartridges)	
LTAS650SCY1L	TX650 Cyan 1LS
LTAS650SMA1L	TX650 Magenta 1LS
LTAS650SYE1L	TX650 Yellow 1LS
LTAS650SKK1L	TX650 Black 1LS
LTAS650SML1L	TX650 Light Magenta 1LS
LTAS650SCL1L	TX650 Light Cyan 1LS
LTAS650SCF1L	TX650 Flush Solution 1LS





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Frequently Asked Questions (FAQs):

Which printer models can I use the TX650 inks in?
The TX650 inks are water-based dye sublimation transfer inks for use in a range of wide-format digital printers 42" wide or wider, incorporating Epson DX4 and DX5 print-head technologies.

Manufacturer	Model	Print Head Technology
Mimaki™	JV22	DX4
	JV3	DX4
	JV33	DX5
	JV4	DX4
	JV5	DX5
Mutoh™	RJ6100	DX4
	RJ8000	DX4
	RS900	DX5
	Viper 65, 90, 100	DX4
	ValueJet 1204, 1304	DX5
	ValueJet 1604, 1614	DX5
	ValueJet 1628TD	DX5
ValueJet 2628TD	DX5	
Roland™	FP640/740–Pro II	DX4
	XC/XJ-640/740–Pro III	DX4

Can I use TX650 in printers other than those listed above?

It is highly likely. For a full list of TX650 printer, please contact your local distributor, see www.nazdar.com or write to digitaltextiles@nazdar.com.

Will my print colors change if I use this ink?

Yes, profiling will be needed in order to obtain the best print output available.

What can I print onto using TX650 sublimation ink?

Polyester, Nylon 6.6 or polymer coated textiles will yield excellent results. Also virtually any polymer coated material (ceramics, metals, plastics etc) that can withstand heat-press temperatures of up to 200°C.

Can I get a Pantone match?

The color gamut of the TX650 ink-set is wide and it is possible to achieve thousands of color variations including a number of specific Pantone references, although there are many Pantone references that cannot be achieved with current ink-jet technologies.

Does Nazdar have a recommended transfer paper?

TX650 ink will give optimal results on the majority of transfer papers currently available.

Is TX650 ink covered by the Nazdar warranty?

Nazdar TX650 dye-sublimation ink is supplied with a comprehensive warranty and 12 months shelf-life. Please contact your Nazdar representative for full details.

Will this ink really save me money?

All Nazdar digital inks are priced very competitively and will give significant savings over the equivalent OEM products. Savings can be seen in reduced print head cleanings (wasted ink), lower ink limits (higher densities producing more vibrant colors) and less downtime (more efficient labor).

This ink, or the use of this ink, may be covered by one or more of the following patents: United States Patent Nos. RE 38952; 5,487,614; 5,488,907; 5,601,023; 5,640,180; 5,642,141; 5,734,396; 6,425,331; 6,439,710; 6,450,098; 6,488,370; 6,618,066; European Patent Nos. 778,798; 1,132,439; Australian Patent No. 768,805; Brazilian Patent No. PI9508651-0; Canadian Patent No. 2,198,750; Japanese Patent No. 3,727,343; Mexican Patent No. 231098. Other patents pending



The Lyson® TX650 Series Ink is water-based, dye-sublimation ink suitable for transfer applications. The primary features are as follows:

- Bright, vibrant and clean colors
- Superior fastness properties
- Excellent release properties giving superb transfer definition and color
- Reliable printer performance
- Industry leading warranty
- Excellent outline definition

SUBSTRATES & APPLICATIONS

- Polyester and polyamide fabrics, Spandex™, Lycra™
- Mixed synthetic fabrics, minimum polyester content 60%
- Pre-coated ceramics, metals and plastics

USER INFORMATION

INK CHANGEOVER

It is essential that the printer is flushed with TX650 Flush solution prior to installation of the TX650 Series ink. Failure to perform the cleaning process may result in print-head blockages and inferior print quality.

CLEAN UP

The recommended cleaning solution for use with TX650 series ink is as follows:

LTAS650NCF1L	-	TX650 Flush Solution (standard bottle)
LTAS650SCF1L	-	TX650 Flush Solution (Sensient BFS compatible bottle)
LTAS650MCF1L	-	TX650 Flush Solution (Manoukian BFS compatible bottle)

STORAGE & HANDLING

TX650 Series ink should be stored in a dry, cool place at a temperature of 41°F - 86°F (5°C - 30°C) away from direct sunlight and sources of ignition. It is recommended that the ink should be allowed to reach the operative conditions, humidity and temperature for 24 hours prior to installation. The recommended shelf life of this product is 12 months from the date of manufacture when stored under the conditions stated above.

GENERAL INFORMATION

INK TRANSFER

The time and temperature required to achieve the optimal level of transfer is dependent upon the substrate type and heat press equipment used. Typical settings are 356°F - 410°F (180°C - 210°C) for 30-60 seconds.

FASTNESS & DURABILITY

	Light Fastness (EN ISO 105B02) – Rating 1-8	Wash Fastness (EN ISO 105C02) – Rating 1-5	Alkali Perspiration Fastness (EN ISO 105E04) – Rating 1-8
Cyan	5/6	4/5	5/6
Magenta	6/7	4/5	6/7
Yellow	6/7	4/5	6/7
Black	5/6	4/5	5/6

PRODUCT OFFERING

PACKAGING

1 liter bottle	-	Standard
1 liter bottle	-	Suitable for Manoukian™ BFS
1 liter bottle	-	Suitable for Sensient™ BFS

1 liter bottle - Natural	
LTAS650NCY1L	TX650 Cyan 1LN
LTAS650NMA1L	TX650 Magenta 1LN
LTAS650NYE1L	TX650 Yellow 1LN
LTAS650NKK1L	TX650 Black 1LN
LTAS650NML1L	TX650 Light Magenta 1LN
LTAS650NCL1L	TX650 Light Cyan 1LN
LTAS650NCF1L	TX650 Flush Solution 1LN
1 liter bottle	(suitable for Manoukian™ BFS)
LTAS650MCY1L	TX650 Cyan 1LM
LTAS650MMA1L	TX650 Magenta 1LM
LTAS650MYE1L	TX650 Yellow 1LM
LTAS650MKK1L	TX650 Black 1LM
LTAS650MML1L	TX650 Light Magenta 1LM
LTAS650MCL1L	TX650 Light Cyan 1LM
LTAS650MCF1L	TX650 Flush Solution 1LM
1 liter bottle	(suitable for Sensient™ BFS)
LTAS650SCY1L	TX650 Cyan 1LS
LTAS650SMA1L	TX650 Magenta 1LS
LTAS650SYE1L	TX650 Yellow 1LS
LTAS650SKK1L	TX650 Black 1LS
LTAS650SML1L	TX650 Light Magenta 1LS
LTAS650SCL1L	TX650 Light Cyan 1LS
LTAS650SCF1L	TX650 Flush Solution 1LS

Nazdar stands behind the quality of this product. Nazdar cannot, however, guarantee the finished results because Nazdar exercises no control over individual operating and production procedures. While technical information and advice on the use of this product is provided in good faith, the user bears sole responsibility for selecting the appropriate product for their end use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life cycle from printing, post print processing, and shipment to end use. This product has been specially formulated for digital printing, and it has not been tested by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar.

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Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead.

If exact heavy metal content is required, independent lab analysis is recommended.

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