BB22BT

Crisp-sharp and rich-black eco-solvent ink for semi-porous and non-porous substrates

- **Superior printing quality for high-resolution images and 2D codes**

- **Fast drying ink with extended de-cap time**

- **Perfect for portable and intermittent printing applications**

BB22BT offers an advanced solution for traceable coding and marking utilizing TIJ inkjet printing technology. It enhances both sharpness and darkness, resulting in excellent print quality for high-resolution, easily readable barcodes and 2D codes. Extended de-cap time and rapid drying ink make it ideal for handheld printers and industrial intermittent printing applications.

SUBSTRATES COVERAGE

OPP	PP	PET	PE	Aluminum	Blister Foil	Paper

Aqueous Varnish Coat	Gravure Print Surface	Rubber	Glass

PRODUCT SPECIFICATION

Part Number	**BB22BT**	Cartridge Type :	BC800B ink cartridge with the security chip
Ink Type	Solvent-based Ink	● Black	Colorant Type : Dye
Resolution	Up to 600 dpi (recommended 300x300 dpi)		
Max Print Swath	12.7 mm		
Nozzle Count	300		
Ink Throw Distance	2 -5 mm		
Firing Voltage	8.8 V	★ Please conduct test before use, the suitable parameter may be different depending on the printer	
Firing Pulse Width	1.8 µs		
Max. Firing Frequency	12kHz		
Ink Fill level	42 ml		
Average Delivered Ink	35 ml (Vertical)　　33 ml (Horizontal)		
Average Drop Volume	37 pl		
Ink Dry Time	4-5 sec for 2.5mm font, 300x300 dpi 6-8 sec for 12.7mm font, 300x300 dpi	★ The printing test results on aluminum foil packaging bags. However, the actual dry time depends on different substrates.	
De-Cap Time	8 hours and above under normal condition and environment ★ The actual toleration depends on the surrounding temperature and humidity.		
Operation Conditions	15°C – 35°C ; 35% – 80% RH		
Shipping/Storage Conditions	5°C – 40°C ; 20% – 80% RH		
Printhead Cleaning	Wipe lightly with lint-free dry cloth		
Shelf Life	9 months from ink filled date		

❖ **ATTENTION:**

- This ink contains alcohol solvents. It is recommended to use it in a well-ventilated room.
- Please clean the printhead before installing the ink cartridge.
- Use a lint-free dry cloth or ethanol-moistened (> 98% IPA) cloth to clean the ink cartridge and printhead. Do not use a general and water-containing wet cloth, as it may cause nozzle clogging or damage.
- Do not shake the clipped cartridge vigorously.
- Printing performance may vary based on conditions and environment, please conduct a printing test carefully before use.
- Dye used in this ink has some water resistance. However, it is not recommended to use this ink for printing on substrates that will be immersed in water.
- All data here is based on Bentsai laboratory data, not guaranteed.

❖ **MAINTANCE AND HANDLING:**

- Use a lint-free cloth wipe the printhead nozzle in a single direction from top to bottom.
- Hold the cartridge printhead face down, gently press the printhead on a lint-free cloth to let the ink flow out, and then carefully and lightly wipe across the printhead along the edge.

❖ **SHIPPING AND STORAGE:**

- The cartridge should be stored in vacuum sealed pouch until used.
- Use the cartridge within two weeks of removing it from vacuum sealed pouch for best performance.
- Store the cartridge with a clip placed over the printhead. Horizontal position is recommend.
- Refer to Safety Data Sheet for more information.

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