

BC800B

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



- ✓ Perfect for portable and intermittent printing applications.
- ✓ Fast drying ink with extended de-cap time.
- ✓ Excellent print quality for high-resolution images and 2D code.

BC800B features an extended de-cap time, making it especially suitable for handheld inkjet printers that require frequent start-stop operation and long idle intervals. It delivers stable print quality on coated paper, cartons, and selected plastic substrates such as PP, BOPP, and PC, ensuring consistent and readable marks with minimal maintenance.

SUBSTRATES COVERAGE

Coated Paper

HD Carton

Wood

Nylon

BOPP

PC

PP

PRODUCT SPECIFICATION

Part Number	BC800B Cartridge Type: TIJ ink cartridge without 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	1.8-2.2μs		
Max. Firing Frequency	12 kHz		
Ink Fill level	47 ml		
Average Delivered Ink	38 ml (Vertical)	31 ml (Horizontal)	
Ink Dry Time	3-5 sec for 2.5mm font, 300x300 dpi 8-10 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	12 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.

❖ MAINTENANCE 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.
- After use, seal the printhead with the originally attached cartridge clip and store the cartridge with the position of its printhead UP until subsequent use.

❖ SHIPPING AND STORAGE:

- The ink cartridge should be stored with the originally attached clip in a vacuum-sealed pouch until used.
- Please store the cartridge with the printhead facing upwards. If it is still in the original sealed carton, store it according to the markings.
- Use the cartridge within two weeks of removing it from the vacuum-sealed pouch for best performance.
- Refer to Safety Data Sheet for more information.



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