

BC300B

Aqueous-based black pigment ink for printing on
semi-porous and porous substrates



- ✓ Suitable for both handheld and industrial inkjet printing.
- ✓ Long de-cap time, excellent clarity, density, and outstanding durability.
- ✓ Ideal for semi-porous packaging materials such as high-density cartons, corrugate, kraft paper, pallets etc.

BC300B is designed for high-resolution printing of small characters, barcodes, 2D codes, images, and more at high speeds on semi-porous and porous substrates. Its quick drying time on various materials guarantees reliable and consistent high-quality industrial codings, requiring minimal maintenance between print jobs.

SUBSTRATES COVERAGE

Paper

Kraft Paper

Corrugated Board

HD Carton

Wood

Clay Coat

PRODUCT SPECIFICATION

Part Number	BC300B	Cartridge Type: TIJ ink cartridge without the security chip
Ink Type	Aqueous-based Ink	●Black Colorant Type: Pigment
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	11.8 V	* Please conduct test before use, the suitable parameter may be different depending on the printer
Firing Pulse Width	2.0-2.2μs	
Max. Firing Frequency	12 kHz	
Ink Fill level	42 ml	
Average Delivered Ink	36 ml (Vertical)	31 ml (Horizontal)
Ink Dry Time	2-3 sec (Using a 300×300 dpi horizontal line as an example, with corrugated board as the test material, the actual drying time varies depending on the substrate).	
De-Cap Time	2 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 the printhead with a non-woven cloth; moisten it with distilled or deionized water if needed.	
Shelf Life	12 months from ink filled date	

❖ ATTENTION:

- Please clean the printhead before installing the ink cartridge.
- Use a lint-free dry cloth to clean the ink cartridge and printhead.
- Printing performance may vary based on conditions and environment, please conduct a printing test carefully before use.
- 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
- If the printhead is clogged, gently wipe it with a lint-free cloth moistened with deionized or distilled water and do not use alcohol or cleaning agents on aqueous ink cartridges.
- 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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