

[Manuals.plus](#) /

› [BENTSAI](#) /

› BENTSAI BT-2580P Solvent Quick Dry Ink Cartridge User Manual

BENTSAI BT-2580P

BENTSAI BT-2580P Solvent Quick Dry Ink Cartridge User Manual

Model: BT-2580P

1. PRODUCT OVERVIEW

The BENTSAI BT-2580P is an original black solvent quick-dry ink cartridge designed for use with specific BENTSAI handheld inkjet printers. This cartridge provides high-quality, smudge-free prints on a variety of surfaces due to its fast-drying, solvent-based ink formulation. It features a 1/2 inch (12.7mm) print head and contains 42mL of ink, capable of printing up to 2,000,000 characters at a 2.5mm print height with a grey level set to 7th.





Image 1.1: The BENTSAI BT-2580P Black Solvent Quick Dry Ink Cartridge. This image displays the cartridge itself, highlighting its compact design and the BENTSAI branding.

2. COMPATIBILITY

2.1 Printer Compatibility

This BT-2580P ink cartridge is compatible only with BENTSAI handheld printers BT-HH6105B2 and BT-HH6105B3 running firmware V1069 or versions 1.0.10 to 3.0.28. It is also compatible with the B10 Mini printer.

Important Note: For BT-HH6105B2 and BT-HH6105B3 printers running firmware version 4.0.34 or above, or for models BT-HH6105F, BT-HH6205B, and BT-HH6206BL, please use BB21B or BB22B series ink cartridges instead.

Ink Cartridge **Compatible Printer List**

Ink Model	Ink Color	Ink Type	Compatible Handheld Printer
BT-2580P	● Black	Solvent-based (Fast Dry)	BT-HH6105B2 BT-HH6105B3 B10 Mini
BT-2581P	● Cyan		
BT-2582P	● Magenta		
BT-2583P	● Yellow		
BT-2584P	● Green		
BT-2585P	○ White		
BT-2560N	● Black	Water-based	BT-HH6105B2 BT-HH6105B3

Attention: For BT-HH6105B2 and BT-HH6105B3 printers running firmware version 4.0.34 and above; BT-HH6105F, BT-HH6205B, BT-HH6205BL, please use BB21B or BB22B series ink cartridge.

Image 2.1: A compatibility chart detailing various BENTSAL ink models, their colors, ink types (solvent-based or water-based), and the compatible handheld printer models. The BT-2580P is listed as a black, solvent-based ink compatible with BT-HH6105B2, BT-HH6105B3, and B10 Mini printers. An attention note at the bottom reiterates firmware compatibility requirements.

3. FEATURES

3.1 Key Features

- **High Capacity:** Contains 42mL of ink, capable of printing up to 2,000,000 characters (at 2.5mm print height, 7th grey level).
- **Versatile Surface Compatibility:** Suitable for both porous and non-porous materials.
- **Fast Drying:** Solvent-based ink dries in seconds, ensuring clear, smudge-free prints.

42ML High Capacity Cost-saving Ink



Image 3.1: The BENTSAL BT-2580P ink cartridge positioned next to a large stack of paper, illustrating its 42mL high capacity and cost-saving potential for extensive printing tasks.

Non-porous substrate for printing

such as foil, film, hard plastic, glossy box, glass, metal, etc.



Foil



Film



Hard plastic



Glossy box



Glass



Metal

Image 3.2: An illustration demonstrating the BT-2580P ink's compatibility with various non-porous substrates, including foil, film, hard plastic, glossy boxes, glass, and metal. The image shows examples of each material type.

4. SETUP AND INSTALLATION

4.1 Cartridge Installation

1. Ensure the compatible BENTSAI handheld printer is powered off before installation.
2. Locate the cartridge slot on your printer. Refer to your specific printer's manual for exact placement.
3. Carefully remove the protective cap from the BT-2580P ink cartridge nozzle.
4. Insert the ink cartridge into the designated slot, ensuring it clicks securely into place. Do not force the cartridge.
5. Power on the printer and follow any on-screen prompts for cartridge recognition or alignment.

BENTSAI



Production date: December 12, 2021
Shelf life: 3 years
Manufacturer: bentsai
Manufacturer: XXX
1 to 5 lines can be printed at a time

0.5 inch nozzle

Image 4.1: A close-up view of the bottom of the BENTSAI ink cartridge, highlighting its 0.5-inch nozzle. This image also provides information on the production date, shelf life (3 years), and the capability to print 1 to 5 lines at a time.

5. OPERATION GUIDELINES

5.1 Printing with the Cartridge

Once the BT-2580P ink cartridge is correctly installed in your compatible BENTSAI handheld printer, you can proceed with printing operations. The fast-drying nature of this solvent-based ink allows for immediate handling of printed materials without smudging. Ensure your printer settings are configured for the desired print quality and material type to achieve optimal results.

BENTSAI



788410062619

2020.10.10
AM 10:10

TEXT

EXP: 12 01 2020
MFD: 12 01 2023

EXP: 12 01 2020
MFD: 12 01 2023



Name	PVC PLASTIC	Model	P7843
Production Date	20211028	PO NO.	ORD34-3657

Image 5.1: An example of print output from a BENTSAI printer using this ink cartridge. The image displays various print elements including text, dates (2020.10.10, AM 10:10), expiration and manufacturing dates, a barcode ([788410062619](#)), and common shipping symbols, demonstrating the clarity and versatility of the print.

6. MAINTENANCE TIPS

6.1 Cartridge Care

Proper maintenance ensures the longevity and optimal performance of your BT-2580P ink cartridge:

- **Storage:** When the cartridge is not in use, remove it from the printer and cover the ink nozzle with its protective cap. This prevents the ink from drying out and clogging the nozzle.
- **Cleaning:** If clogging occurs or print quality degrades, gently wipe the nozzle with an alcohol wipe. Avoid touching the nozzle directly with your fingers.

7. TROUBLESHOOTING

7.1 Common Issues

- **Clogged Nozzle:** If the print output is faded, streaky, or incomplete, the nozzle may be clogged. Refer to the "Maintenance Tips" section for cleaning instructions using an alcohol wipe.
- **Incompatible Printer/Firmware:** Ensure your printer model (BT-HH6105B2, BT-HH6105B3, B10 Mini) and firmware version (V1069 or 1.0.10 to 3.0.28) are compatible with the BT-2580P cartridge. Using an incompatible cartridge or firmware can lead to printing errors or damage.
- **Low Ink:** If the cartridge is nearing empty, print quality will degrade. Replace the cartridge with a new BT-2580P.

8. SPECIFICATIONS

8.1 Technical Specifications

Feature	Detail
Model Name	BT-2580P
Brand	BENTSAI
Ink Colour	Black
Ink Base	Alcohol (Solvent-based)
Page Yield	42mL (up to 2,000,000 characters at 2.5mm print height, 7th grey level)
Print Head Size	1/2 inch (12.7mm)
Compatible Devices	BENTSAI BT-HH6105B2, BT-HH6105B3, B10 Mini (with specific firmware)
Product Dimensions	14 x 8 x 3 cm
Item Weight	132 g
Special Feature	High Yield, Quick Dry

9. WARRANTY AND SUPPORT

Specific warranty information for the BENTSAI BT-2580P ink cartridge is not provided in the product details. For warranty claims, technical support, or further inquiries, please contact BENTSAI customer service directly through their official website or the retailer from whom the product was purchased. Keep your purchase receipt or proof of purchase handy when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question