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› BENTSAI B85 Wide Format Handheld Inkjet Printer Industrial Inkjet Printer with 4 Inches Print Height for Large Format Batch Coding Variable Data Printing on Any Surfaces User Manual

## BENTSAI B85

# BENTSAI B85 Wide Format Handheld Inkjet Printer User Manual

Model: B85

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## 1. INTRODUCTION

The BENTSAI B85 Wide Format Handheld Inkjet Printer is designed for industrial applications, offering versatile printing capabilities on various surfaces. It features a 4-inch print height, allowing for large format text, QR codes, barcodes, and variable data printing. This manual provides essential information for the proper setup, operation, and maintenance of your B85 printer.



Figure 1.1: BENTSAL B85 Handheld Inkjet Printer. This image shows the printer in use, demonstrating its capability to print large characters up to 92mm in height on a wooden surface.

## 2. SETUP

### 2.1 Unpacking and Initial Power On

Carefully remove all components from the packaging. Ensure all items listed in the packing list are present. Long press the power button to start the printer.



Figure 2.1: All-in-One Packing List. This image displays the complete set of items included with the BENTSAI B85 printer, such as the instrument box, printer unit, ink cartridges, USB flash disk, syringe, power adapter, metal positioner template, and user manual.

## 2.2 Installing Ink Cartridges

1. Remove the printer's protective cover from the bottom.
2. Match the number on the printer's cartridge slot with the corresponding number on the ink cartridge.
3. Remove the protective cap from each ink cartridge.
4. Open the cartridge slot cover on the printer.
5. Insert each cartridge one by one into its designated slot, ensuring it clicks into place.
6. Close the cartridge slot cover.

# All in One Packing List



1 Instrument box



2 Printer



3 Ink cartridge



4 USB Flash Disk



5 Syringe



6 Power adapter



7 Metal Positioner Template



8 User manual

Figure 2.2: Ink Cartridge Installation. This image illustrates the process of installing the four ink cartridges into the BENTSAL B85 printer, showing the numbered slots and the cartridges being inserted.

## 2.3 Installation Video Guide

For a visual guide on installing your BENTSAL B85 printer, please watch the official installation video:

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Video 2.1: How to install BENTSAL B85/B80 handheld printer. This video provides step-by-step instructions on setting up and installing the ink cartridges for the BENTSAL B80 and B85 handheld printers.

## 3. OPERATING THE PRINTER

### 3.1 User Interface and Content Editing

The B85 features a 5-inch large color LCD capacitive touchscreen for intuitive operation. You can edit and adjust your printing content directly on the screen.

# 5" Large Colour LCD Capacitive Touchscreen

Touch Screen Operation, High Sensitivity, Easy and Convenient Operation











 <p>1.25kg (Wide Format and Lightweight)</p>	 <p>5" (LCD Capactive Touchscreen)</p>	 <p>4 hours (Long Battery Life)</p>	 <p>360° (Any Angle)</p>
 <p>4 inch/100 mm (Print Heigh)</p>	 <p>5 Colors (Plugged In Ink Cartridges)</p>	 <p>2 Ways (Off wires Operation/ Production Lines)</p>	 <p>8Gb (Unlimited Messages)</p>

Figure 3.1: 5-inch Large Color LCD Capacitive Touchscreen. This image highlights the printer's responsive touchscreen interface, which allows for easy and convenient operation.

## 3.2 Printing on Various Surfaces

The B85 printer is capable of printing on a wide range of porous and non-porous surfaces, including cardboard, wood, glass, fabric, metal, plastic, and more. Its 4-inch print height allows for large character coding.

# 92mm print height

For porous surfaces including cardboard and timber



Figure 3.2: 92mm Print Height. This image demonstrates the printer's ability to produce large prints up to 92mm in height, suitable for porous surfaces like cardboard and timber.

# Print on Thousands of Materials

Apply on almost 95% of the common materials



Figure 3.3: Print on Thousands of Materials. This image showcases the printer's versatility, illustrating its application on various materials such as boxes, wood, glass, fabric, cutlery, aluminum foil, PVC, and aluminum.

## Customize of printing height from 2.5-100mm

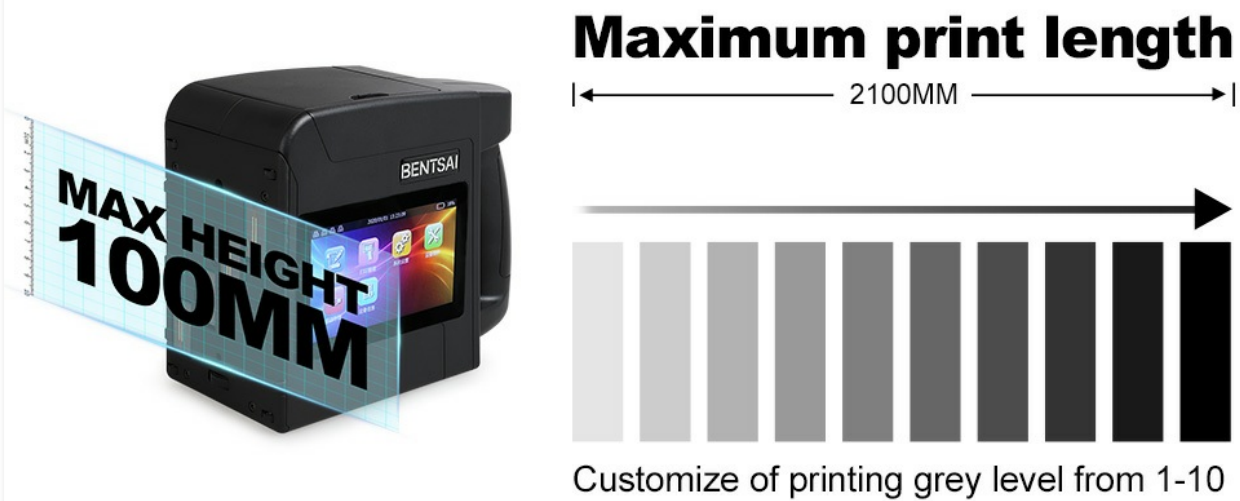


Figure 3.4: Semi-Auto Production Line Printing. This image shows the BENTSAL B85 printer integrated into a production line setup, demonstrating its capability for automated printing.

### 3.3 Supported Print Formats

The B85 supports various content formats including text, date and time, QR codes, barcodes, pictures, and variable codes. Content can be customized to meet specific needs.

# Wide Range of Formats

Printed Content: text, date and time, QR codes, barcodes, pictures and variable codes.  
Printed content can be customized

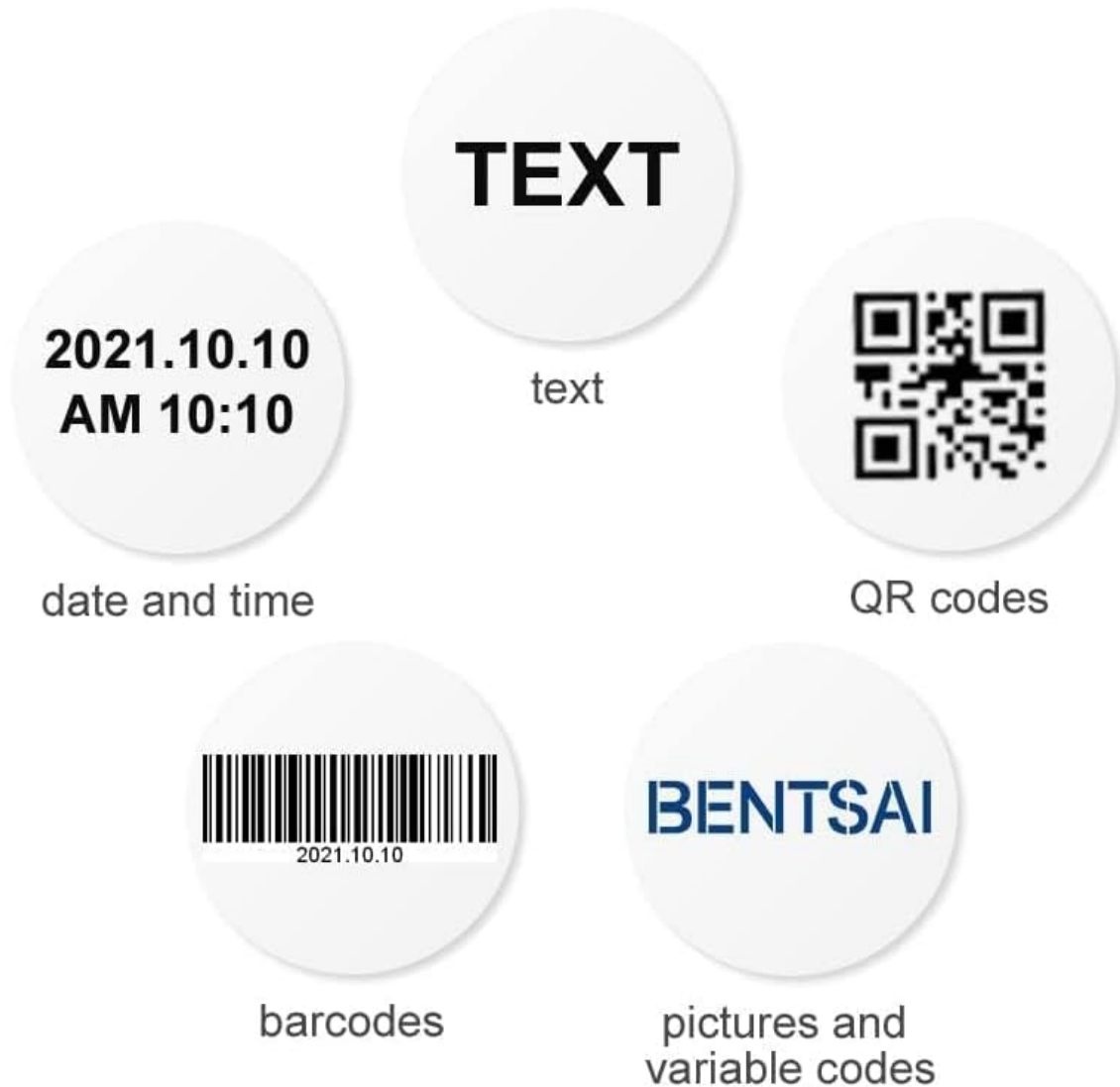


Figure 3.5: Wide Range of Formats. This image illustrates the diverse content types that can be printed, including text, date and time, QR codes, barcodes, and custom images/variable codes.

## 3.4 Printing in Action

Observe the BENTSAI B85 in action, demonstrating its performance and versatility across different printing scenarios:

Your browser does not support the video tag.

Video 3.1: See how well BENTSAI B80/B85 performs. This video showcases the BENTSAI B80 and B85 printers in various applications, including printing on fabric, wood, concrete, and cardboard, demonstrating multi-line printing and different ink color options.

Another demonstration of the printer's marking capabilities on various surfaces:

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Video 3.2: BENTSAI B80 B85 Handheld Printer Marking on Various Surfaces. This video illustrates the BENTSAI B80 and

B85 printers' ability to mark serial numbers, QR codes, and images on surfaces like concrete poles and electrical boxes, highlighting water-resistant inks and multi-color options.

## 4. MAINTENANCE

### 4.1 Ink Nozzle Cleaning

To ensure optimal print quality and prevent clogging, regular cleaning of the ink nozzle is essential. If prints are unclear or incomplete, it may be due to ink drying or nozzle clogging. This can be resolved by following the cleaning procedure:

1. Wet a tissue with alcohol.
2. Cover the ink cartridge nozzle with the tissue and shake the cartridge vigorously up and down.
3. Drag the ink cartridge across the tissue to print two lines.
4. If streaks persist, repeat the above steps.

### 4.2 Post-Use Care

After each use, remember to remove the ink cartridge from the printer. Wipe the nozzle surface again and clean any residual ink on the protection cap. Cover the protective cap to prevent ink from drying. Store the cartridge in a cool, dry, and shaded area.

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Video 4.1: Ink Nozzle Cleaning Guide. This video demonstrates the proper procedure for cleaning the ink nozzle of the BENTSAL printer to ensure clear and complete prints.

## 5. TROUBLESHOOTING

### 5.1 Common Printing Issues

- **Unclear or Incomplete Prints:** This is often caused by dried ink or a clogged nozzle. Refer to Section 4.1 for detailed cleaning instructions.
- **Printer Not Responding:** Ensure the printer is fully charged and powered on. Check all connections.
- **Ink Cartridge Not Recognized:** Verify that the ink cartridges are correctly inserted and that the protective caps have been removed.
- **Print Quality Degradation:** This may indicate low ink levels or a need for nozzle cleaning. Replace cartridges if necessary and perform cleaning as described in Section 4.1.

## 6. SPECIFICATIONS

Feature	Detail
Model Name	B85
Product Dimensions	14"D x 9"W x 7"H
Item Weight	2.75 pounds
Printing Technology	Inkjet
Printer Output	Monochrome
Maximum Print Height	4 inches / 100mm
Maximum Print Length	Up to 9.00 feet
Maximum Print Resolution	300 x 300 dpi
Display Type	5" Touch Screen
Ink Color	Black (multiple color options available for purchase)
Ink Type	Solvent-based and water-based
Connectivity Technology	USB
Included Components	BENTSAI B85 Handheld Inkjet Printer, User Manual, Aluminum Protective Box, Power Adapter, USB Flash Disk, Stylus Pen, BENTSAI EB22B-L Fast Dry Black Ink Cartridge *4, Positioning Bracket, Ink Suction Tool, Empty Spray Bottle

## 7. WARRANTY & SUPPORT

BENTSAI is committed to providing high-quality products and excellent customer service. For any inquiries, technical assistance, or warranty claims, please contact the BENTSAI STORE directly through your purchase platform.

We value our customers' experience and strive for continuous improvement. Hear what one of our partners has to say about working with BENTSAI:

Your browser does not support the video tag.

Video 7.1: "Happy to work with Bentsai Product". This video features a testimonial from Kamarsjah, Managing Director of PT. Digital Teknologi, discussing their positive experience and long-standing partnership with BENTSAI, highlighting the fast response and good support received.