

Industrial Inkjet Coding Printer **Quick Installation Guide**



Components Rereference (Controller Box) 🕼 The number of available components depends on the printer model. Please refer to the specific packing list. Printhead Base Dual-Pass Bar Clamp Controller Base Controller Printhead (2)(1)(3) **Optical Sensor Mount** Bar Base Handle Screw M8X20 (6)

9 Screen Pen Optical Sensor

S3/S4/S6

Hexagon Spanner

Printhead Cable 96W Power Adapter Power Cord

(10)

USB

(15)

(19)

Screw M4X16

(23)

Ground Wire

Long Bar (20*380mm) Short Bar (20*300mm)

QC Pass

(25)

External Sensor Guide Tube (250mm)

(17)

(21)

Dual

(26)

(18)

40# Screw Nut

(16)

Screw 3MX6

(24)

Screw M5X20

Screw M4X12

(22)

Quad **Printheads** Plate Printheads Plate

(27)



Optional Components Reference



Controller Assembling



- Connect the printhead cables: Attach the cables to the controller and printheads by matching the numbers (P1, P2, P3, P4). Secure them with screws.
- Connect other components: Attach the external sensor, power adapter (optional encoder and beacon) to their matching ports on the controller.



Printhead Assembling



The Printheads Plate are marked with the number P1/P2/P3/P4 respectively. Assemble them accordingly.

Printhead Assembling





When installing the printhead(s),downward and sideward are optional based on your actual needs.



Sideward Printing Bracket Assembly

Reference (Single Printhead)





Sideward Printing Bracket Assembly

Reference (Multiple Printheads, Seperated)





Encoder/External Sensor Assembling Reference

Encoder Assembling



The encoder wheel should be in close contact with the conveyor belt.

External Sensor Assembling





The distance between the sendor and print object should be between 10mm and 200mm.

Printhead Assembling



The required distance between print head Nozzles to print objects(Ink throw distance) is 2-5mm.



Printer Assembling Reference







Printer Assembling Reference







Printer Assembling Reference







Printer Assembling Reference



Important

1. Do not plug or unplug the connection cable while the printer is powered on. 2. To ensure the best printing results, we recommend using original ink cartridges and accessories.

Using non-original ink cartridges and accessories may cause printer malfunctions and poor print quality, which are not covered under warranty. 3. Equipment failures caused by not following this manual are not covered under

the product warranty.

Safety Instructions

1. After powering on the printer, there is high voltage inside. Do not perform maintenance or disassembly unless you are professionally trained and authorized, to avoid accidents.

2. Do not store ink cartridges in direct sunlight or at high temperatures (above 35°C), as this will affect the print quality and shelf life of the ink.

3. If ink accidentally splashes into your eyes or onto your skin, rinse immediately with clean water and seek medical advice promptly.

Quick Guide on Printing Settings

Print with Internal Sensor

On the main interface, click "Edit," then "Settings," and select "Print Settings" from the drop-down menu.



🕼 Select the Internal sensor.

🕼 Disable the sync wheel If no external encoder is installed.

🕼 Set the print delay distance and conveyor speed.

Print with External Sensor



- 🕼 Select external sensor if you are not using the built-in internal sensor.
- Disable the sync wheel If no external encoder is installed.
- 🕼 Set the print delay distance and conveyor speed.

Print with Independent Delay

When using two or more printheads, you can enable the independent delay function.



🕼 Select "Independent Induction."

🕼 Set the delay distance for each printhead under the electric eye option.

Print with External Encoder



When the conveyor speed is not constant, you can install an external encoder to synchronize the conveyor speed. Please enable the Sync Wheel on this page.

The external encoder (sync wheel) can be used in conjunction with the internal sensor, external sensor, or independent induction mode.



Create Print Messages

On the main interface, click "Edit," then click "Add" to add text, date, counter, image, QR code, dynamic data, etc.







On the main interface, click "Edit," then "Settings," and select "Ink Settings" from the drop-down menu.

- When using Bentsai original cartridges, the printer can automatically detect and set the pulse width and voltage parameters once inserted.
- When using two or more printheads, you can choose between individual printing or stitched printing. For stitched printing, test the print first. If misalignments occur, adjust the stitching parameters on this interface.
- F If you're still experiencing issues with installing or setting up our printer, please refer to our detailed User Manual or contact your seller.