

**OUR CORE TECHNOLOGY
YOUR GREAT FUTURE**

Zhuhai Bentsai Electronics Co.,Ltd.

A public listed company, stock code 873054

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BENTSAI
INKJET CODING SOLUTIONS



**Catalog
2023/24**

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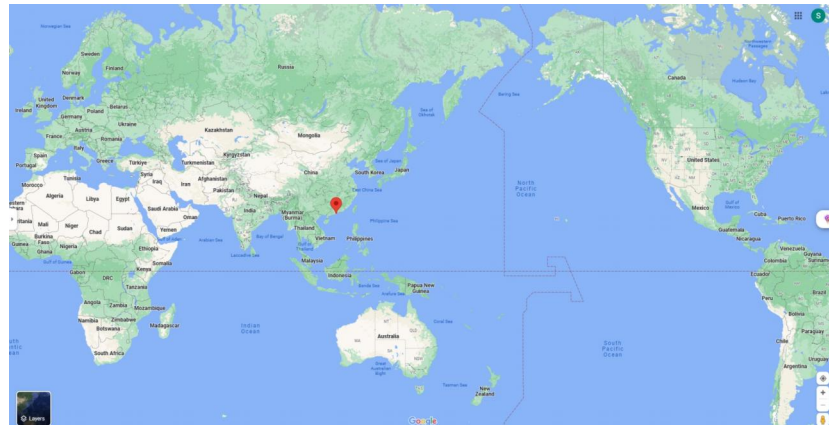


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ABOUT BENTSAI

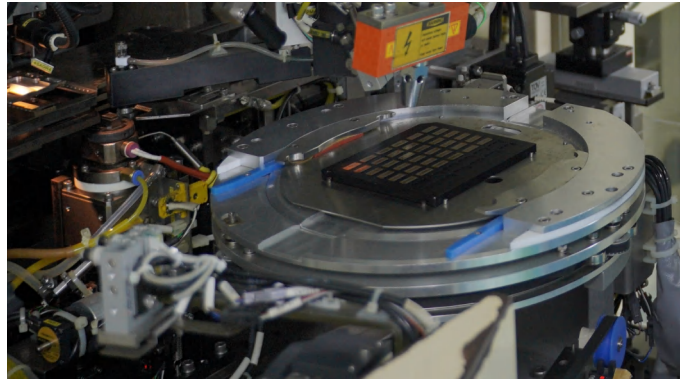
Originated from Taiwan, Created in China with Global Presence

Bentsai originates from Taiwan and is rooted in Zhuhai China with global presence. Bentsai is an industry-leading manufacturer of coding machines, dedicated to the development and industrial application of thermal inkjet printing technology for coding and marking of the packaging industry. Bentsai products cover two series of handheld and inline printers, providing industrial users with flexible, cost-effective and easy-to-maintain product identification and traceability solutions.



In-house production of printheads, core component manufacturing capability

Bentsai is a pioneering company in Mainland China that specializes in developing and producing thermal inkjet printheads using advanced microfluidic MEMS technology. These printing heads are essential components of inkjet printers. We are proud to be the first company in China to achieve mass production of thermal printhead chips, positioning us at the forefront of industry innovation.



Indepth product integration and customization capabilities

Bentsai excels in comprehensive software and hardware development capabilities for inkjet printing devices. Our expertise encompasses hardware design, Linux-based printing operating system development, printhead and ink formulation matching, and chip encryption algorithm research. With these capabilities, we are able to offer customized solutions for inkjet printer printheads, coding printers, and specialized inkjet printers, ensuring that we precisely meet the unique requirements of our esteemed customers.

The team is driven by a passion for the Coding and marking Industry

Situated in Zhuhai, the global hub for printing equipments, Bentsai boasts a team with extensive industrial experience, with most members having nearly 20 years of expertise. We exhibit a fervent passion for the inkjet printing industry and prioritize product innovation and customer satisfaction. Our ultimate objective is to establish a renowned global brand of inkjet coding printers and make valuable contributions to expanding the packaging industry.

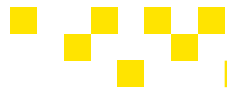


Our Team



Industry Shows





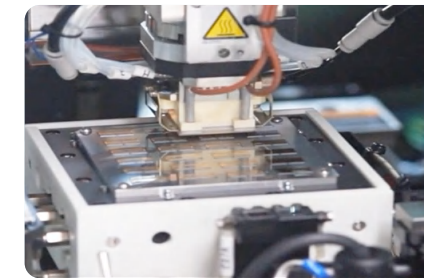
Production Line for Printheads

(The first TIJ printheads production line in mainland China.)

- The first mass-production line for TIJ thermal inkjet printheads in China.
- Capable of manufacturing & customizing inkjet printheads.
- Annual production capacity reaches 3 million pcs printheads.
- Equipped with high-precision & advanced manufacturing equipment.
- Class 1000 cleanroom.
- R&D Center in Zhuhai and Taiwan.



Photolithography



Prebond



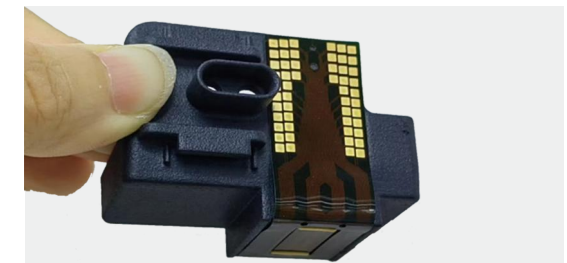
TAB

Printheads Customization Available

The B127 printheads is compatible with 45 series ink cartridge, which achieved mass production and sales. Custom development solutions available for TIJ printheads and ink cartridges.



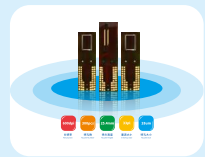
Thermal inkjet printheads/inkjet printer customization



TIJ inkjet cartridge customization



Key advantages



Printheads
Manufacturing



Coding Printer
Software & Hardware
Integration



Ink Formulation
& Filling



Private
Encryption Chips



Innovative
& Patented



Global Brand
Presence

AWARDS



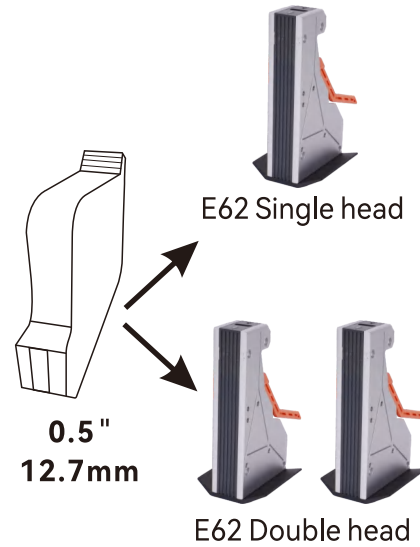
ISO 9001/14001 certified



Industrial InkJet Coding Printers

Supports upto 2 printheads, 0.5 inch printhead

E62 Series



Product Model	E62-1-1 (1 printhead,1*12.7mm)/E62-2-1 / E62-1-2 (2 printheads, 2*12.7 mm)
Printing Technology	Thermal Inkjet (TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Optional Ink Cartridges	Water based (42ml): Black,Cyan,Magenta,Yellow,Green Solvent Based (42ml): Black,Cyan,Magenta,Yellow,White, Green, Security
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)
Display	7" High Definition Touch Screen
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.
2D code Type	Code128, Code128B, Code39, EAN8, EAN13, UPCA, UPCE, EAN128, INT 2of5, ITF14, Code93, GS1RSS144, GS1-EAN128, GS1-Truncated, GS1RS144Limit, GS1RSS14EX, GS1-Stacked, GS1-StackedOmni, GS1-StackedEx
Barcode Type	DataMatrix, QR, GridMatrix, GS1DM, PDF417
Font Type	True type fonts, Dotmatrix fonts
Resolution	X-direction DPI: 75/100/150/200/300/600/1200/2400 Y-direction DPI: 300/600
Print Speed	Up to 120m/minute, speed adjustable based on the horizontal resolution
Grey level	1-10
Max. Print Size	12.7mm*2100mm 25.4mm*2100mm
Max. Pixel Size	566px*12800px(Max 1000px*12800px)
External Ports	Ethernet, USB, Photocell, Encoder, Beacon, Power Adapter
Power Adapter	Input: AC100-240V Output: DC24V 4A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Memory Size	8 Gigabytes
Net Weight	Single head 4.2kg, Dual head combined 4.5kg, Separated 4.9kg



120m/min high-speed printing



One customer one code, exclusive ASIC encryption chip



One-click for the ink cost



Intelligent interface, easy and fast



Access management, privacy protection




Universal Master Control, free combination

Industrial InkJet Coding Printers

Free combination, supports upto 4 printheads,
max print height 50mm

E64 Series




120m/min
high-speed printing


One customer one code,
exclusive ASIC encryption chip


One-click for the ink cost


Intelligent interface,
easy and fast


Access management,
privacy protection

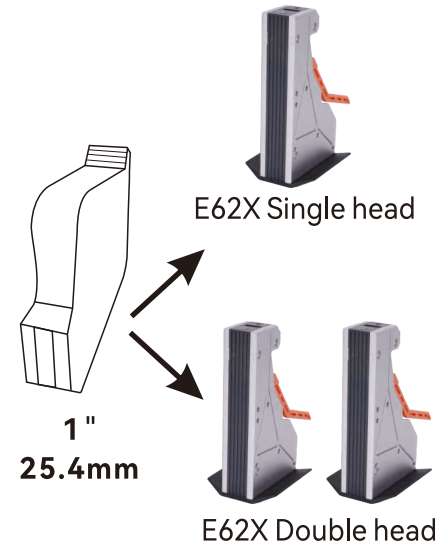

Universal Master Control,
free combination

Product Model	E64-4-1(Four printhead*1) / E64-2-2(Double printhead*2) / E64-4-3(Single printhead*2+Double printhead*1) / E64-1-4(Single printhead*4)
Printing Technology	Thermal Inkjet (TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Optional Ink Cartridges	Water based (42ml): Black,Cyan,Magenta,Yellow,Green Solvent Based (42ml): Black,Cyan,Magenta,Yellow,White, Green, Security
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaiable languages vary for different regions)
Display	7" High Definition Touch Screen
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.
2D code Type	Code128, Code128B, Code39, EAN8, EAN13, UPCA, UPCE, EAN128, INT 2of5, ITF14, Code93, GS1RSS144, GS1-EAN128, GS1-Truncated, GS1RS144Limit, GS1RSS14EX, GS1-Stacked, GS1-StackedOmni, GS1-StackedEx
Barcode Type	DataMatrix, QR, GridMatrix, GS1DM, PDF417
Font Type	True type fonts, Dotmatrix fonts
Resolution	X-direction DPI: 75/100/150/200/300/600/1200/2400 Y-direction DPI: 300/600
Print Speed	Up to 120m/minute, speed adjustable based on the horizontal resolution
Grey level	1-10
Max. Print Size	50mm*2100mm
Max. Pixel Size	566px*12800px(Max 1000px*12800px)
External Ports	Ethernet, USB, Photocell, Encoder, Beacon, Power Adapter
Power Adapter	Input: AC100-240V Output: DC24V 4A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Memory Size	8 Gigabytes
Net Weight	Four-head 6.7kg, Four-head combined 6kg, Separated 6.7kg

Industrial InkJet Coding Printers

Supports upto 2 printheads, 1 inch printhead

E62X Series



One Inch print heads



One customer one code, exclusive ASIC encryption chip



One-click for the ink cost



Intelligent interface, easy and fast



Access management, privacy protection



Universal Master Control, free combination

Product Model	E62X-1-1 (1 printhead,1*12.7mm) / E62X-2-1 / E62X-1-2 (2 printheads, 2*12.7 mm)
Printing Technology	Thermal Inkjet (TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Optional Ink Cartridges	Water based (42ml): Black,Cyan,Magenta,Yellow,Green Solvent Based (42ml): Black,Cyan,Magenta,Yellow,White, Green
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)
Display	7" High Definition Touch Screen
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.
2D code Type	Code128, Code128B, Code39, EAN8, EAN13, UPCA, UPCE, EAN128, INT 2of5, ITF14, Code93, GS1RSS144, GS1-EAN128, GS1-Truncated, GS1RS144Limit, GS1RSS14EX, GS1-Stacked, GS1-StackedOmni, GS1-StackedEx
Barcode Type	DataMatrix, QR, GridMatrix, GS1DM, PDF417
Font Type	True type fonts, Dotmatrix fonts
Resolution	X-direction DPI: 75/100/150/200/300/600/1200/2400 Y-direction DPI: 300
Print Speed	Up to 40m/minute, Speed adjustable based on the horizontal resolution
Grey level	1-10
Max. Print Size	25.4mm*2100mm 50mm*2100mm
Max. Pixel Size	566px*12800px(Max 1000px*12800px)
External Ports	Ethernet, USB, Photocell, Encoder, Beacon, Power Adapter
Power Adapter	Input: AC100-240V Output: DC24V 4A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Memory Size	8 Gigabytes
Net Weight	Single head 4.2kg, Dual head combined 4.5kg, Seperated 4.9kg

Industrial InkJet Coding Printers

Free combination, supports upto 4 printheads, max print height 100mm

E64X Series



One Inch print heads



One customer one code, exclusive ASIC encryption chip



One-click for the ink cost



Intelligent interface, easy and fast



Access management, privacy protection

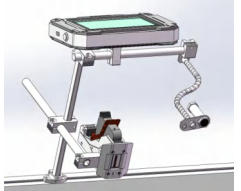


Universal Master Control, free combination

Product Model	E64X-4-1(Four printhead*1) / E64X-2-2(Double printhead*2) / E64X-4-3(Single printhead*2+Double printhead*1) / E64X-1-4(Single printhead*4)
Printing Technology	Thermal Inkjet (TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Optional Ink Cartridges	Water based (42ml): Black,Cyan,Magenta,Yellow,Green Solvent Based (42ml): Black,Cyan,Magenta,Yellow,White, Green
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)
Display	7" High Definition Touch Screen
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.
2D code Type	Code128, Code128B, Code39, EAN8, EAN13, UPCA, UPCE, EAN128, INT 2of5, ITF14, Code93, GS1RSS144, GS1-EAN128, GS1-Truncated, GS1RS144Limit, GS1RSS14EX, GS1-Stacked, GS1-StackedOmni, GS1-StackedEx
Barcode Type	DataMatrix, QR, GridMatrix, GS1DM, PDF417
Font Type	True type fonts, Dotmatrix fonts
Resolution	X-direction DPI: 75/100/150/200/300/600/1200/2400 Y-direction DPI: 300
Print Speed	Up to 40m/minute, Speed adjustable based on the horizontal resolution
Grey level	1-10
Max. Print Size	100mm*2100mm
Max. Pixel Size	566px*12800px(Max 1000px*12800px)
External Ports	Ethernet, USB, Photocell, Encoder, Beacon, Power Adapter
Power Adapter	Input: AC100-240V Output: DC24V 4A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Memory Size	8 Gigabytes
Net Weight	Four-head 6.7kg, Four-head combined 6kg, Separated 6.7kg

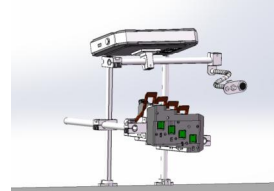
Accessories for Industrial inline printers

Single side single bracket



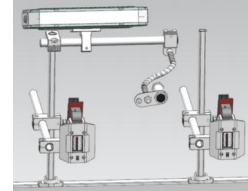
Used for single and dual print head printers

Single side double brackets



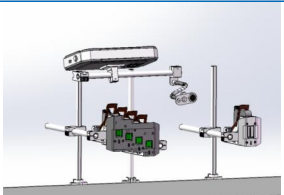
Used for printers with 4 print heads or more

Double sides Double brackets



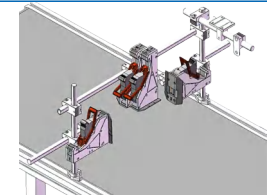
Used for seperated dual head printer

Single side Multi-heads bracket



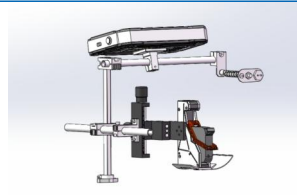
Used for seperated multi-heads printer

Bridge bracket



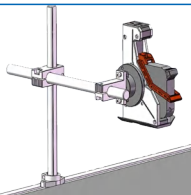
Used for separated multi-angle printing

High-precision fine-tuning module



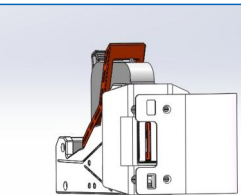
Used for high-precision adjustment of printing distance

Swivel bracket



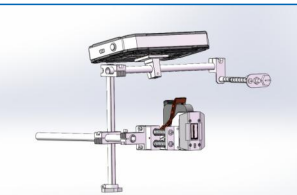
To realize the horizontal and vertical rotation of the print head

Anti-shock plate



Suitable for printing on various irregular items

Rebound Module



Rebound stroke of 20mm, suitable for printing on large items



Conveyor



Synch wheel



Photoelectric sensor



Three-color beacon

Mini Handheld Inkjet Printer

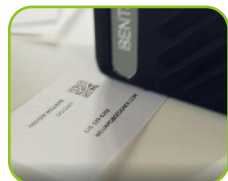
Most Compact Inkjet Coding Printer



B10 Mini Printer

MFG:2022/10/22 10:18
EXP:2023/04/21
S/N:202210220798

MFG:2022/10/22 10:18
EXP:2023/04/21
S/N:202210220798



Product Model	B10
Printing Technology	Thermal Inkjet(TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Print Height	2.5mm-12.7mm
Optional Ink Cartridges	Solvent Based (42ml) Black,Cyan,Magenta,Yellow,White, Green,Security
APP	Android/iOS (Download on Googleplay Apple App Store)
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for Porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.
2D code Type	Code128, Code39, EAN8, EAN13, UPCA, ITF(2of5)
Barcode Type	QR
Font Type	True type fonts, Dotmatrix fonts
Resolution	300dpi
Print Speed	30m/min(fastest)
Grey level	1-5
Print Height	2.5mm-12.7mm
Max. Print Size	12.7*40.6mm
Max. Pixel Size	200px*4800px
Standby Time	3.5 Hours
Power Adapter	IN: AC100-240V OUT: 5V 1A-3A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Net Weight	195g
Packaging Weight	530g
Product Dimension	110*90*40mm
Packaging Dimension	220*127*51.6mm

Handheld Inkjet Coding Printers

Perfect Solution for Labeling and Marking

BT-HH6105 Series



Intuitive Operation

Intuitive UI design for easy operation. 4.3 Inch touch screen, sensitive and smooth to use. Allowing effortlessly find and preview the selected imprint before it is printed.



Positioning Plate

For small printing area or uneven surface which has not enough space to place the printer, locate auxiliary roller, use the positioning plate as the assistance for fast and accurate print outputs.



Production Conveyor Adaptable

Other than handheld mode, you could choose photoelectric mode for automatic continuous printing. With maximum printing speed up to 30m/min at 300 dpi. huge improvement for work efficiency.



One Item One Code

With the database input and output function, you could do batch input via database with varied and unique barcodes or QR codes to realize one item one code.

Product Model	BT-HH6105B2 (Both water based and solvent based cartridges applicable)	BT-HH6105B3 (Both water based and solvent based cartridges applicable, support database print)
Printing Technology	Thermal Inkjet (TIJ)	
Ink Throw Distance	2-5mm (Distance between nozzle plate and print object)	
Print Height	2.5mm-12.7mm (1-5 lines)	
Optional Ink Cartridges	Water based (42ml*1): Black, Cyan, Magenta, Yellow Solvent Based (42ml*1): Black, Cyan, Magenta, Yellow, White, Green	
Operation System	Linux based	
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Available languages vary for different regions)	
Display	4.3" High Definition Touch Screen	
Status Alarm	Green: Ready Blue: Printing Red: Alarm	
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.	
Print Label Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.	
2D code Type	Code128, Code39, EAN8, EAN13, UPCA, ITF(2of5)	
Barcode Type	DataMatrix, QR	
Font Type	True type fonts, Dotmatrix fonts	
Resolution	300/600dpi	
Print Speed	30m/min (fastest at 300 dpi)	
Grey level	1-10	
Max. Print Size	12.7*406mm	
Max. Pixel Size	200px*4800px	
External Ports	USB-A, Power adapter, Photoelectric Sensor	
Battery	2600mAh	
Standby Time	≥8 hours (working when screen off)	
Power Adapter	Input: AC100-240V Output: DC9V 5A	
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity: 10%-80%	
Memory Size	128M	
Net Weight	450g	
Packaging Weight	2110g	
Product Dimension	217*138*54mm	
Packaging Dimension	275*115*250mm	
Conveyor Coding Supported	6105 B2/B3	

Single Head InkJet Coding Printers

Smooth, Reliable Coding and Ultra-Long Working Time

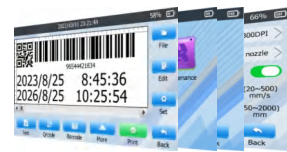


BT-HH6205 /6210 Series



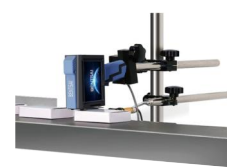
Lightweight and Compact size

Compact design, the whole machine weighs only 410g. Ultra flexible and smooth coding with built-in encoder design.



Optimized user interface, easy operation

Simple and intuitive user interface, fast to get started, no special training needed for usage.



Optional Manual and Inline auto coding

One printer for dual use. Take in hand for mobile coding and mount on production line for auto coding.



Detachable battery and up to 18 hours ultra long working

Removable and detachable battery inside. End users could replace the batteries conveniently.

Product Model	6205 Handheld Only 6205 handheld & Inline 6210 Handheld Only 6210 handheld & Inline	
Printing Technology	Thermal Inkjet (TIJ)	
Ink Throw Distance	2-5mm (Distance between nozzle plate and print object)	
Print Height	2.5mm-12.7mm (1-5 lines)	2.5mm-25.4mm (1-10 lines)
Optional Ink Cartridges	Water based (42ml*1): Black, Cyan, Magenta, Yellow Solvent Based (42ml*1): Black, Cyan, Magenta, Yellow, White, Green	
Operation System	FreeRTOS system	
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Available languages vary for different regions)	
Display	4.3" High Definition Touch Screen	
Status Alarm	Green: Ready Blue: Printing Red: Alarm	
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.	
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.	
2D code Type	Code128, Code39, EAN8, EAN13, UPCA, ITF(2of5), UPCE	
Barcode Type	DataMatrix, QR	
Font Type	True type fonts, Dotmatrix fonts	
Resolution	300/600dpi	300dpi
Print Speed	30m/min (fastest at 300 dpi)	15m/min (fastest at 300 dpi)
Grey level	1-5	
Max. Print Size	12.7mm*406mm	25.4mm*406mm
Max. Pixel Size	200px*4800px	400px*4800px
External Ports	Handheld only: USB, Power adapter Handheld and Inline: USB, Power adapter and Photoelectric sensor	
Battery	2pcs 18650 lithium ion battery, 2600mAh each. Removable and Replaceable	
Standby Time	≥16 hours (working when screen off)	
Power Adapter	IN: AC100-240V, OUT: DC5V 2A(B), OUT: DC9V 2A(BL) IN: AC100-240V, OUT: DC5V 2A(6210B), OUT: DC9V 2A(6210BL)	
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity: 10%-80%	
Memory Size	128M	
Net Weight	410g	420g
Packaging Weight	1750g (Aluminum case)	1760g (Aluminum case)
Product Dimension	208*113*45mm	
Packaging Dimension	275*115*250mm	

Handheld Inkjet Coding Printers

One inch/25.4mm max print height for large characters



B30 Series

B30 Series(B30/35)

Max Print Height
1"/25.4mm
1-10Lines

BENTSAI

Production date:December 12,2021
Shelf life:3 years
Manufacturer:Bentsai
1 to 10 lines can be printed at a time

XXXwarehouse



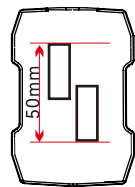
Product Model	B30 (water based ink cartridge only)	B35 (Both water based and solvent based cartridges applicable)
Printing Technology	Thermal Inkjet (TIJ)	
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)	
Print Height	2.5mm-25.4mm	
Optional Ink Cartridges	Water based (42ml*1): Black,Cyan,Magenta,Yellow Solvent Based (42ml*1): Black,Cyan,Magenta,Yellow,White, Green	
Operation System	Linux based	
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)	
Display	4.3" High Definition Touch Screen	
Status Alarm	Green: Ready Blue: Printing Red: Alarm	
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.	
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.	
2D code Type	Code128, Code39, EAN8, EAN13, UPCA, ITF(2of5)	
Barcode Type	DataMatrix, QR	
Font Type	True type fonts, Dotmatrix fonts	
Resolution	300dpi	
Print Speed	15m/min	
Grey level	1-10	
Max. Print Size	25.4mm*1000mm	
Max. Pixel Size	Max. 912px*7200px	
External Ports	USB-A, Power adapter, Photoelectric Sensor	
Battery	2600mAh	
Standby Time	≥8 hours (working when screen off)	
Power Adapter	Input: AC100-240V Output: DC9V 5A	
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%	
Memory Size	128M	
Net Weight	480g	
Packaging Weight	2130g	
Product Dimension	232*136*50mm	
Packaging Dimension	275*115*250mm	
Conveyor Coding Supported	B30, B35	

2" Dual Head InkJet Coding Printer

Prints height up to 2 inches/50mm and 20 lines max



B40 Series



Upto 50mm print height with stitched heads

Two stitched printheads with print height up to 50 mm and max 20 lines.



Compact design, easy handling

Weighs 860g only, ultra flexible and smooth coding with built-in encoder design.



Optional Manual and Inline auto coding

One printer for dual use. Take in hand for mobile coding and mount on production line for auto coding.



5"HD touchscreen with a simple and intuitive software

Simple and intuitive user interface fast to get started, no special training needed for usage.

Product Model	B40
Printing Technology	Thermal Inkjet (TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Print Height	2.5mm-46mm(1-20 lines)
Optional Ink Cartridges	Water based (42ml*2): Black,Cyan,Magenta,Yellow Solvent Based (42ml*2): Black,Cyan,Magenta,Yellow,White, Green
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)
Display	5" High Definition Touch Screen
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables etc.
2D code Type	Code128, Code39, EAN8, EAN13, UPCA, ITF(2of5)
Barcode Type	DataMatrix, QR
Font Type	True type fonts, Dotmatrix fonts
Resolution	300dpi
Print Speed	15m/min
Grey level	1-10
Max. Print Size	48mm*2100mm
Max. Pixel Size	Standard 566px*12800px (Max 1000px*12800px)
External Ports	USB-C, Power adapter, Photoelectric Sensor, Encoder, Beacon
Battery	18650 lithium ion battery, 6000mAh. Removable and Replaceble
Standby Time	≥8 hours (working when screen off)
Power Adapter	Input: AC100-240V Output: DC9V 5A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Memory Size	4 Gigabytes
Net Weight	860g
Packaging Weight	3.5kg(Aluminum case)
Product Dimension	220*110*75mm
Packaging Dimension	377*177*239mm



Wide Format InkJet Coding Print

Printable Character height up to 100mm (4") max!

B80 Series



Industry's highest printable character size

Maximum character Height up to 4 inches/100 mm. Supports multi-lines print with adjustable printing height. Freely layout design. Supports Fonts Importation.

Variable Print Content, One Item One code

Text, date, number, counter, barcode, QR code, graphics, logos, with function of importing from database for varied and unique QR codes, bar codes, texts.

Print on both porous and non-porous substrates

Optional water-based ink and fast dry solvent ink. Printer with solvent ink could print on non-porous substrates.



Refillable ink Cartridge



4 Hours Continuous Printing



300 DPI resolution



4GB RAM

Product Model	B80(water based ink cartridge only) B85(Both water based and solvent based cartridges applicable)
Printing Technology	Thermal Inkjet (TIJ)
Ink Throw Distance	2-5mm(Distance between nozzle plate and print object)
Print Height	2.5mm-92mm (1-40 lines)
Optional Ink Cartridges	Water based (42ml*4): Black,Cyan,Magenta,Yellow Solvent Based (42ml*4): Black,Cyan,Magenta,Yellow,White, Green
Operation System	Linux based
System Language	Chinese/English/German/Arabic/Spanish/Russian/Japanese/Korean/Italian/Portuguese/French/Hindi/Thai/Vietnamese/Persian/Turkish/Chinese Traditional/Indonesian/Slovenian/Serbo-Croatian/Czech/Bulgarian/Romanian/Polish/Greek/Hungarian/Ukrainian/Slovak/Burmese (Avaialbe languages vary for different regions)
Display	5" High Definition Touch Screen
Status Alarm	Green: Ready Blue: Printing Red: Alarm
Print Applications	Text, Numbers, Images, Logos, 2D codes, Barcodes, Dates, Counter, Database etc.
Printabel Material	Water based ink for porous and semi porous substrates: Paper/Corrugated box/Wooden/Fiberboard/Cotton etc. Solvent based ink for semi porous and non porous substrates: Plastic/Glass/Metal plates/Alu-foils/Cables et.
2D code Type	Code128, Code39, EAN8, EAN13, UPCA, ITF(2of5)
Barcode Type	DataMatrix, QR
Font Type	True type fonts, Dotmatrix fonts
Resolution	300dpi
Print Speed	15m/min
Grey level	1-10
Max. Print Size	92mm*2100mm
Max. Pixel Size	Standard 566px*12800px(Max1000px*12800px)
External Ports	USB-A,USB-C, Power adapter, Photoelectric Sensor, Encoder, Beacon
Battery	6000mAh
Standby Time	≥8 hours (working when screen off)
Power Adapter	IN: AC100-240V OUT: DC9V 5A
Working Environment	Equipment Storage Temperature: -20°C-55°C Working Temperature: 5°C-35°C (Best: 15°C-35°C) Humidity:10%-80%
Memory Size	4 Gigabytes
Net Weight	1.24kg
Packaging Weight	3.96kg
Product Dimension	239*182*117mm
Packaging Dimension	377*177*239mm
Conveyor Coding Supported	B80/B85



Accessories for Handheld Printer



Conveyor



Sensor



Printer stand

Ink cartridge series



Half inch/12.7mm
water based ink cartridge



Half inch/12.7mm
solvent ink cartridge



One inch/25.4mm
water based ink cartridge



One inch/25.4mm
solvent ink cartridge

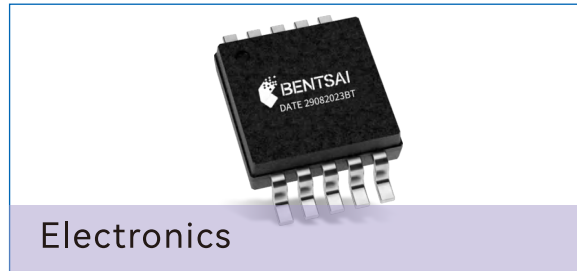




Applications



Pharmaceutical



Electronics



Pipes



Wooden pallets

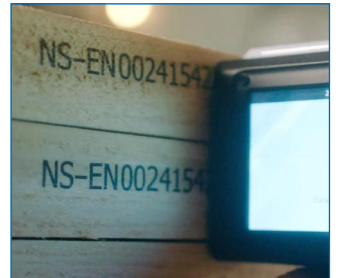
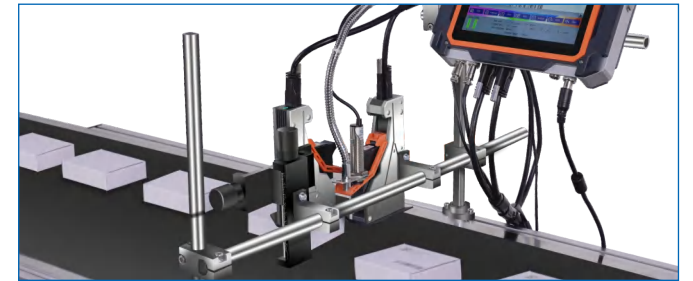


Foods



Case Coding

Applications





Specifications		Model	Half inch(12.7mm)					One inch (25.4mm)					
			General inkjet printer			Professional inkjet printer		General inkjet printer		Professional inkjet printer			
			Mini	6205 series		6105 series		6210 series		B30 series			
		B10	BT-HH6205 B	BT-HH6205 BL	BT-HH6105B2	BT-HH6105B3	BT-HH6210 B	BT-HH6210 BL	B30	B35			
Photos													
Basic Parameters	Product and Packaging size	Product Length(mm)	110	204		217		204		217			
		Product Width(mm)	90	126		138		139		138			
		Product Height(mm)	40	41		54		41		54			
		Packaging Size(mm)	220*130*50	253*189*72mm	280*250*120mm		280*250*120		280*250*120		280*250*120		
		Net Weight (g)	192	420		450		435		460			
	Hardware	Package Weight (g)	530	720	1980		2110	2115		1980	1990	2120	2125
		Touch Screen(4.3inch)	—	●	●	●	●	●	●	●	●	●	
		Memory	128M	128M	128M	128M	128M	128M	128M	128M	128M	128M	
		Voltage Output(V/A)	DC 5V-1A	DC 5V-2A	DC 9V-2A		DC 9V-2A		DC 9V-2A		DC 9V-2A		
		Power Rate(W)	5	16					18				
		Battery(mA)	500	2600					2600				
		Standby time with screen off(H)	●	≥16H		≥8H		≥16H		≥8H			
	Network	Charging Time(H)	2	3					3				
		USB Interface	—	●									
		Power(DC5*2.5)	—	●	●	●	●	●	●	●	●	●	
		Power(Type-c)	●	●	●	●	●	●	●	●	●	●	
		Inlie Mode(sensor)	—	—	—	—	—	—	—	—	—	—	
		PC	—	—	—	—	—	—	—	—	—	—	
		Network Interface	—	—	—	—	—	—	—	—	—	—	
		Wi-Fi	●	—	—	—	—	—	—	—	—	—	
Bluetooth		—	—	—	—	—	—	—	—	—	—		
Working Mode		Handheld Mode	●	●	●	●	●	●	●	●	●	●	
	Continuous Mode	●	●	●	●	●	●	●	●	●	●		
	Inline Mode(sensor)	—	●	●	●	●	●	●	●	●	●		
Printing	Ink throw distance(mm)	2mm-5mm(distance between nozzle plate and object)											
	Resolution	300dpi	300/600dpi				300dpi						
	Grey Level	1-5	1-5		1-10		1-5		1-10				
	Max Print Speed(mm/min)	30	30	30	30	30	30						
	Print Head Height(mm)	12.7					25.4						
Functions	Max Length(mm)	406					1000						
	Text, Time, Date, Serial	●	●	●	●	●	●	●	●	●	●		
	Barcode	●	●	●	●	●	●	●	●	●	●		
	QR Code	●	●	●	●	●	●	●	●	●	●		
	Picture Import	●	●	●	●	●	●	●	●	●	●		
	Variable Data Print	●	●	●	●	●	●	●	●	●	●		
	Date Export	●	●	●	●	●	●	●	●	●	●		
	Group Printing	●	●	●	●	●	●	●	●	●	●		
	Others	System Fonts Type	15(font package)	20 (external USB)									
		Languages	Available languages vary for different regions and countries										
Cartridges	12.7mm water based	—	●	●	●	●	—	—	—	—	—		
	12.7mm Solvent based	●	●	●	●	●	—	—	—	—	—		
	25.4mm water based	—	—	—	—	—	●	●	●	●	●		
	25.4mm Solvent based	—	—	—	—	—	●	●	●	●	●		
	Cartridge Stitch	—	—	—	—	—	—	—	—	—	—		

Specifications		Model	Two inches(50mm)				4 inches(100mm)		Industrial inkjet printer(MAX50mm /100mm)								
			Professional inkjet printer		Professional wideformat printer		Professional wideformat printer		Professional industrial printer								
			B40 series		B80 series		B80 series		0.5" single head	0.5" dual head	0.5" four heads	1" single head	1" dual head	1" four heads			
		B40	B45	B80	B85	B80	B85	E62-1-1	E62-2-1	E64-4-1	E62X-1-1	E62X-2-1	E64X-4-1				
Photos																	
Basic Parameters	Product and Packaging size	Product Length(mm)	220	220	239	239	—	—	—	—	—	—	—	—			
		Product Width(mm)	110	110	182	182	—	—	—	—	—	—	—	—			
		Product Height(mm)	75	75	177	177	—	—	—	—	—	—	—	—			
		Packaging Size(mm)	—	—	377*177*239+691*70*51		306*366*157		447*336*157		306*366*157		447*366*157				
		Net Weight (g)	900	900	1240	1240	—	—	—	—	—	—	—	—			
	Hardware	Package Weight (g)	—	—	5168	5168	4600	5250	6730	4700	5450	6930	6930				
		Touch Screen(4.3inch)	● (5inch)	● (5inch)	● (5inch)		● (7inch)										
		Memory	4G	4G	4G		8G										
		Voltage Output(V/A)	DC 9V-5A	DC 9V-5A	DC 9V-5A		DC 24V-4A										
		Power Rate(W)	20	24	24		10	16	24	10	16	24					
		Battery(mA)	6000	6000	6000		—										
		Standby time with screen off(H)	≥8H	≥8H	≥8H		—										
	Network	Charging Time(H)	3	3	3		—										
		USB Interface	●	●	●		●										
		Power(DC5*2.5)	●	●	●	●	●										
		Power(Type-c)	●	●	●	●	●										
		Inlie Mode(sensor)	—	—	—	—	●										
		PC	—	—	—	—	●										
		Network Interface	—	—	—	—	●										
		Wi-Fi	—	—	—	—	●										
Bluetooth		—	—	—	—	●											
Working Mode		Handheld Mode	●	●	●	●	●										
	Continuous Mode	●	●	●	●	●											
	Inline Mode(sensor)	●	●	●	●	●											
Printing	Ink throw distance(mm)	2mm-5mm(distance between nozzle plate and object)															
	Resolution	300dpi				300dpi		300dpi		X direction DPI: 75/100/150/200/300/600/1200/2400		Y direction DPI: 300/600		X direction DPI: 75/100/150/200/300/600/1200/2400		Y direction DPI: 300	
	Grey Level	1-10	1-10	1-10	1-10	1-10		1-10		1-10		1-10		1-10			
	Max Print Speed(mm/min)	50	15	100	100	120		120		120		40		40			
	Print Head Height(mm)	2100	2100	2100	2100	2100		2100		2100		2100		2100			
Functions	Max Length(mm)	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Text, Time, Date, Serial	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Barcode	●	●	●	●	●	●	●	●	●	●	●	●	●			
	QR Code	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Picture Import	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Variable Data Print	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Date Export	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Group Printing	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Others	System Fonts Type	20(import)				20(import)		20(import)		20(import)		20(import)		20(import)		
		Languages	Available languages vary for different regions and countries														
Cartridges	12.7mm water based	●	●	●	●	●	●	●	●	●	●	●	●	●			
	12.7mm Solvent based	●	●	●	●	●	●	●	●	●	●	●	●	●			
	25.4mm water based	—	—	—	—	—	—	—	—	—	—	—	—	—			
	25.4mm Solvent based	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Cartridge Stitch	—	—	—	—	—	—	—	—	—	—	—	—	—			

