

G2S

Continuous inkjet printer



QBCODE - G2S CIJ Printer

Stable and reliable coding, with the G2S.

The G2S CIJ printer features high quality and stable coding across a wide range of production line speeds, and with fewer maintenance interventions than other CIJ printers because of the auto-flush feature. The simple, easy to operate system, help you get you up and running without struggling, a vacuum circulation system to improve ink utilizationthe. G2S is designed to make your coding life easier.



Reliable in coding

- Quick, smooth startups every time - Auto-flush feature of the printhead, ensures continual reliable operation.
- Balance for the best performance - The built-in sensor monitors temperature changes in ink, and adjust the viscosity of the ink for consistent printing in changing ambient temperatures
- Imported valves & 2 pumps - Superior quality valves make sure the stability of the printer, built with 2 pumps for harsh environment.

Powerful in function

- More data storage space - up to 60 printing information and 50 logos can be stored
- Coding at faster line speeds - Standard speed up to 7.5m/s for one line of 5X5 code; up to 15mm high print; 2-20mm print distance
- More printing capabilities - 34 Dot Matrix with flexible array configuration for different printing needs, code up to 5 lines, support 2D barcodes, symbols, sequential text and number,etc.

Firm in structure

- Integrated injection molding- Ensures the high precision and stability for the printhead
- 304 Stainless steel body - Durable, sturdy and easy to clean, Anti-corrosion and anti-interference coating, beautiful and practicallv
- IP55 grade dustp roof and waterproof - Fit in different industry applications with industrial grade of dustproof &waterproof

PRODUCT FEATURES

NOT JUST 304 STAINLESS STEEL

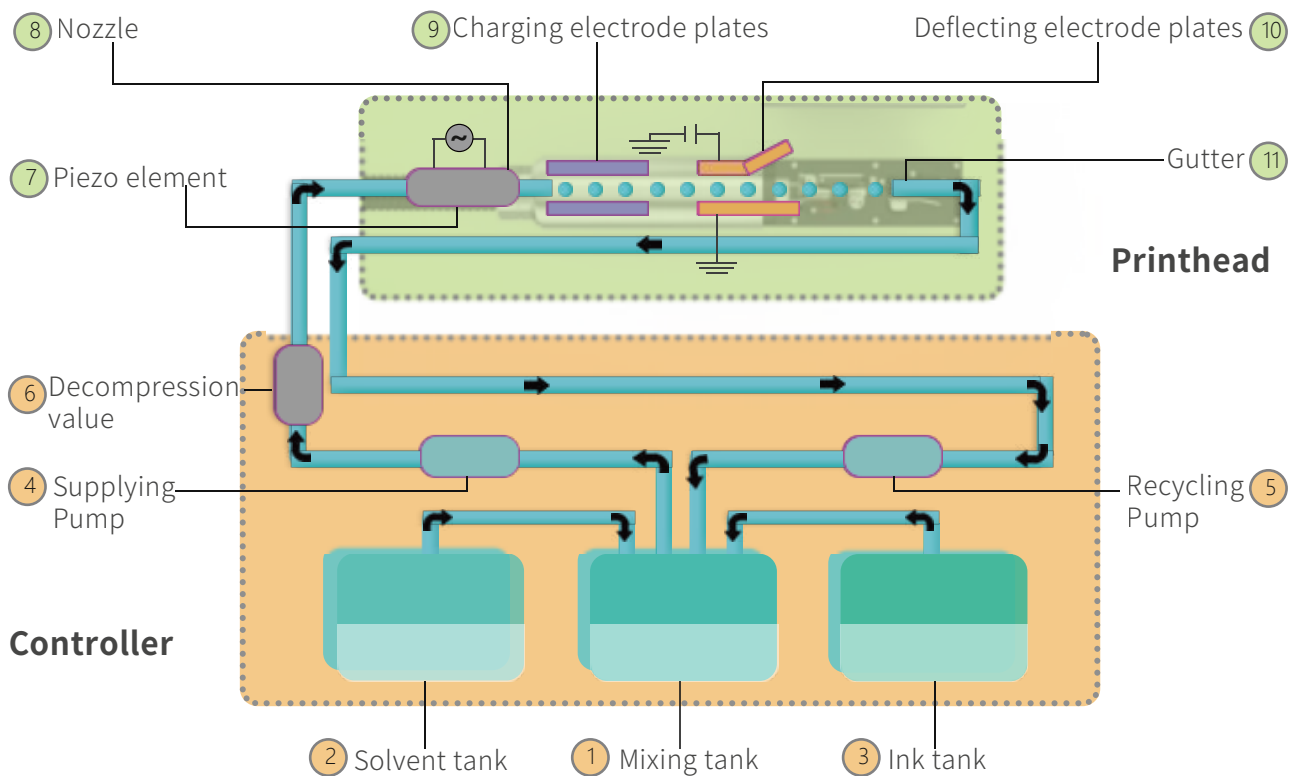
Armored with anti-corrosion and anti-interference layer for critical environment



INTERNAL CIRCULATION FAN + RADIATING PLATE

2 fans design for consistent printing ensuring reliability

WORKING PRINCIPLE



- 1 Main tank: Stores the ink used in printing. Ink recycled from the gutter is also returned to here.
- 2 Solvent tank: Supplies solvent to balance the viscosity when the ink becomes too thick.
- 3 Ink tank: Supplies ink to the main tank when it is empty or when the ink is too thin.
- 4 Supplying Pump: pressurizes and feeds the ink from the main tank to the print head.
- 5 Recycling Pump: Retrieves the ink particles from the gutter and transfer them to the main tank.
- 6 Decompression value: Adjusts the ink pressure.
- 7 Piezo element: Oscillates the ink stream discharged from the nozzle to separate into ink particles.
- 8 Nozzle: Discharges the ink.
- 9 Charging electrode plates: Applies a negative electric charge to the ink particles.
- 10 Deflecting electrode plates: Generates a magnetic field between the electrode plates to deflect ink particles according to their charge. This directs ink particles onto the print target.
- 11 Gutter: Collects the ink particles that are not used in printing.

QBCODE- G2S

PRINTHEAD



BACK ELEVATION



FRONT ELEVATION



INTERIOR



TECHNICAL SPECIFICATIONS

PRINT SPEEDS AND SIZES

Nozzle size: 60μm

Lines of print: 1-4 lines (7x5 matrix)
1-5 lines (5x5 matrix)

Character height range: 1-15mm

Character distance range: 2-20mm

Maximum speed: 7.5m/s
(5 dot matrix)

Maximum speed: 5.8m/s
(7 dot matrix)

Maximum speed: 1.6m/s
(16 dot matrix)

Dot Matrix: 5X5, 7X5, 12X9, 16X11
19X14, 24X17, 32X22

HARDWARE FEATURES

Automatic printhead flushing
The printer automatically runs the cleaning function during startup and shutdown

Printhead jet-speed control and temperature sensing for consistent printing in changing ambient temperatures

Internal circulation cooling system makes continuous high-speed operation more reliable

Vacuum extraction for consumables
Lower solvent consumption and reduced emissions, save the cost of production

SOFTWARE FEATURES

Single-press start print pause print and jet shutdown

Up to 50 lines and symbols settings can be stored with individual names

Support copying external files from SD card (files with the suffix "Logo" format)

Two types of password settings
user password and maintenance password

Various types of formats can be printed, 2D barcodes, symbols, sequential text and number, etc.

PHYSICAL CHARACTERISTICS

Base and enclosure: Stainless steel

IP55 environmental protection rating, industrial dust-proof and waterproof for different conditions

Operating temperature range:
0 - 45°C (32 - 113°F)

Operating humidity range: 0 - 95%
relative humidity (non-condensing)

Power supply: AC-100-240V, 50/60Hz

REGULATORY APPROVALS

· CE · FCC · CAN/CSA · SGS · IOS9001

PRINTHEAD

Printhead length: 3M

Printing direction: 360°
(upward vprinting is supported)

Vacuum extraction for lower solvent consumption and reduced emissions.

DATA INTERFACE

SDCard

Photoelectric eye interface

Synchronizer interface

Alarm input interface

INDUSTRY APPLICATION

Electronic industry

Food industry

Pharmaceutical industry

Daily chemical industry

Auto parts industry

Building materials industry
Tobacco industry, etc.

SYSTEM LANGUAGE

Chinese, English, Japanese, Portuguese, Korean

ABOUT US



Zhuhai QBCODE Technology Co., Ltd The Professional Manufacturer of CIJ Printer

Zhuhai QBCODE Technology provides the right coding and marking solutions through reliable and stable technologies, and is committed to providing quality equipment, supplies, and service designed to perform with maximum reliability, efficiency, and ease of operation with little maintenance. Our small character inkjet printers apply variable data such as best-by dates, production dates, numbers, and traceability information, as well as linear and 2D bar codes, onto virtually every possible product packaging, industrial part, shipping case, and pallet. The CIJ printers are widely applied in food and beverage, medicine, cosmetics, the daily chemical industry, electronics, wires and cables, building materials, automotive supplies, and other industries.

To extend our overseas markets, if you are a packaging or printing distributor and would like to become an authorized QBCODE distributor in your region, now is better than ever. Please contact us and fill out the form of application, we are looking forward to building a long-term business with you.



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Production Workshop

Meet with ISO9001 Standard.



Company Reception

Wlecome to visit, joining our technical traning and discussing OEM/ODM service.



Our Team

Professional team provides industry solutions, and after-sale service.