SOP®



SOP S1 Gear pump series

Small Character Inkjet Printer

·Simpler operation, less maintenance, better printing quality, faster printing speed.

Designed for customers with medium to high frequency of use and medium to high speed production lines, it adopts advanced 32-bit ARM embedded structure, highspeed six-core CPU running Linux professional operating system, and smoother operation. With the unique "SCloud cloud service" as the background platform, it provides end-to-end, face-to-face intimate services, and realizes all-weather full intelligent monitoring, remote monitoring, remote upgrade, private customization, and personalized services with one click.

 It has powerful software editing functions and extremely high stability. In terms of product performance and application, it brings users a more perfect coding & marking experience.



赛欧普 194

Specifications: 390x306x573.8mm Weight: 22kg Voltage: 85-265 VAC, 50~60Hz Temperature: -10°C~45C Humidity: 10~95% non-condensing Protection level: IP55 Umbilical Length:

Default 3 meters

Customizable 6 meters

User interface

Overall performance

Automatic display of machine status, intelligent alarm

Intelligent self-check of system software and hardware

Wired, wireless WIFI, mobile hotspot Internet access

32-bit embedded ARM structure

Remote assistance, monitoring, upgrade

Fully sealed integrated design of printhead Automatic cleaning of printhead

High-speed six-core CPU

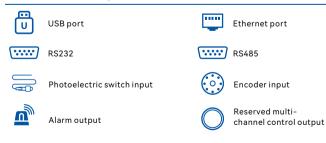
One-button power on and off

USB data information import Automatic ink line detection

Work log record

10.2 inches color LED touch screen Start-up language selection/with screen saver function Image and text menu Fault detection and automatic display Multiple levels of password protection WYSIWYG

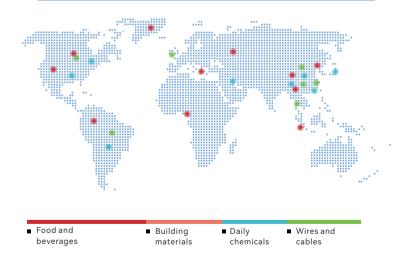
External expansion



Language

Chinese English French German Korean Vietnamese Persian Arabic Turkish Spanish Portuguese

Global Coverage Wide Applications



Special harsh industrial environment

Adopt wear-resistant stainless steel chassis, IP55 protection level, unique printhead positive pressure wind function, can resist the invasion of dust and water, suitable for use in various harsh environments.

With multi-channel ink processing system and fault alarm display function, it ensures more stable operation of the machine and convenient maintenance.

Reserved multi-channel controller output port can be used in conjunction with customer on-site equipment as needed.

Scould cloud service

Create a perfect coding & marking experience

Original Internet cloud service platform

Cloud server SCloud, inkjet printer butler system, "Clairvoyance" system, continuously monitor and track inkjet printer parameters, allowing users to proactively solve potential problems of inkjet printers and ensure uninterrupted operation of the production line.

Inkjet printer butler system

Powerful AI big data smart monitoring uses the latest Internet of Things perception system and AI big data analysis to support remote viewing of the operating status of multiple devices at the same time, real-time control of equipment abnormalities, and timely processing.

Clairvoyance System

The meticulous single-machine operation is like being on site, helping customers to easily eliminate potential faults.(The effect is better when used with "Inkjet printer butler system")





Printer Butler System-Cockpit Main Window Support computer WIN terminal

Advanced ink viscosity automatic control system

The advanced flight time (TOF) is used to control the viscosity of the ink. The ink jetting speed is continuously monitored throughout the process and the automatic closed-loop adjustment is carried out. It is not affected by environmental temperature changes and the length of the booting time, so that the inkjet printer always maintains perfect printing quality and discards. The traditional float ball viscometer is used to detect the viscosity of the ink, and the flight time is relatively accurate, reliable and controllable.

Unique triple printhead anti-clogging function

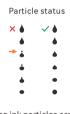
- The unique four-valve structure of the printhead can ensure that the ink in the ink system can be thoroughly cleaned and returned to the ink tank, truly achieving fully automatic nozzle cleaning. Greatly reduce daily maintenance work and improve the stability of equipment operation.
- Equipped with an independent cleaning pump, it automatically sprays diluent to clean the nozzle and recovery pipeline every time the machine is shut down. When the machine is turned on, it automatically sprays solvent to clean the nozzle and recovery pipeline before spraying ink.
- The nozzle sheet can be removed separately and placed in an ultrasonic container to completely solve the blockage problem.

Powerful printing function

- Other non-working information can be edited while the machine is working, and the printing content can be switched instantly.
- Anti-counterfeiting code printing and variable barcode printing can be realized online. Receive the pattern compiled by the computer and make special characters or patterns directly on the touch screen.
- It has special functions such as encoding synchronization, photoelectric synchronization, synchronizer synchronization and fixed distance, online one-time detection N times printing, N times detection one time printing, reciprocating printing, multi-content selection printing, remote network printing, etc.
- The counter step length can be set at will, increment, decrement, cyclic printing, etc.

Integrated ink core



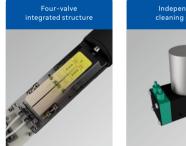


If the ink particles are not in a stable state, the inside of the print head will become dirty and characters will be messed up.

Not stable particle state



Stable particle state









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Standard functions

Number of printing lines: 1-5 lines (5x5 dot matrix) Number of printing dots: 5x5, 5x7, 7x9, 6x12, 8x16, 12x16, 11x24, 16x32, Self-edited dot matrix information within 34 dots. Printing speed: 325 m/min(5dot matrix) 315 m/min(7 dot matrix) 245 m/min(9 dot matrix) 138 m/min(12 dot matrix) 93 m/min(16 dot matrix) 37 m/min(24 dot matrix) 18 m/min(34 dot matrix) Operation interface: 10.1 inch color touch screen, graphic menu. Storage information: unlimited storage of printing information (can be connected to external mobile memory) Printing content: date, time, automatic date, automatic validity period, class number, batch number, serial number, four groups of counters, meter counting, self-edited pattern, variable barcode, variable QR code, anti-counterfeit code, multiple languages, multiple fonts. Printing length: 1024 characters as standard (customizable) Input method: Pinyin input method, area code input method, multi-language input. Printing ink: black, blue, red, yellow and other colors of ink. Printing character height: 1~12mm (adjustable). Printing distance: 1~30mm (adjustable). Font widening: 1~9 times, can be widened for a single character. Font direction: normal characters, reverse characters, inverted characters, reversed characters, Printing direction can be set independently for a single character. Font spacing: 1~8 times, can be edited point by point. Positive pressure air for nozzle: optional

Best Coding & Marking Solutions Provider















Bar code

EAN 8 &13; Code 128 A,B &C; EAN 128; Code 39; Code 93; Interleaved 2 of 5

QR code(QR,DM)

10×10, 12×12, 14×14, 16×16, 18×18, 20×20, 24×24, 34×34

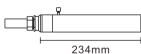
Ink/Make-up Smart Cartridge

Ink Smart Cartridge: (500mL / 750 mL) Make-up Smart Cartridge: (500mL / 750 mL)

Printhead bottom view



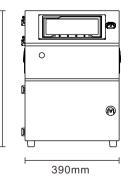
Printhead side view



Front view







Langde Technology Co., LTD

400-870-9987

573.8mm

