

LANGDE[®]

NEW DIAPHRAGM PUMP SERIES

**POWERFUL PERFORMANCE
LEADING TECHNOLOGIES**

CONTINUOUS INK JET PRINTER



STABILITY

ECONOMY

INTELLIGENCE

VERSATILITY

Langde Technology Co.,LTD
Stay Focused · Stay Ahead

Redefining the **Seven Core Technologies**

Principles of Biomimetics

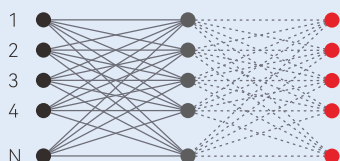
Four pumps integrated **HOT**

According to the principles of human heart biomimetics, micro motion has no wear and tear, does not degrade ink performance, and has a long service life.



Fourier Core Algorithm

Ink dot dynamic self calibration technology: ensures stable operation under different environmental temperatures, ink viscosity, and other conditions.



Eight Core · High Speed CPU

Human machine interface, core data, print management, printhead control, power management, network management, consumables management, interface management, 8 independent systems work perfectly together, with strong scalability.



Printhead · four valves structure

Can efficiently and thoroughly handle the nozzle, ensuring smooth and clean operation every time the machine is turned on or off



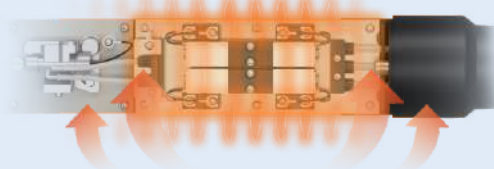
Independent viscometer

Accurate measurement of ink viscosity, timely dynamic calibration to ensure perfect printing effect



Intelligent printhead heating

Ensure that the printhead ink works within a reasonable temperature range to ensure perfect printing



Intelligent ink core heating **NEW**

Ensure that equipment can work perfectly even in low temperature environments



Overall savings · **Subtraction for production costs**

ECONOMY

Save consumables

About 50% less consumables than gear pump series models



Save accessories

Each accessory unit is independently designed for flexible replacement, reducing maintenance costs



Save maintenance

Built in multiple intelligent control programs for one click diagnosis and quick processing
Shorten maintenance time



Save manpower

A concise human-computer interaction interface with foolproof design to prevent errors and significantly reduce professional requirements



Save time

Remote centralized control of Scloud AI big data analysis to improve work efficiency



INTELLIGENCE

New Operation · Internet Cloud Service Platform

Flexible internet access can be achieved through wired networks, wireless networks, environmental hotspots, mobile hotspots, and optional 5G network cards.

Inkjet Printing Butler System **NEW**

Utilize the network to centrally manage all online devices, comprehensively analyze important node parameters through AI big data, and gain a deeper understanding of the long-term operational status of the devices.

Record charts and analyze operational conditions in detail **HOT**

Regularly upload all device information, and the large backend server automatically records the operating status of the entire lifecycle of the device. You can select time nodes to view relevant data in segments, presented in the form of charts, simple, efficient, and clear at a glance.



Inkjet Printing Butler System - Cockpit Main Window

Thousand mile eye system **NEW**

PC/smartphone can be used to dynamically monitor the operation of devices at all times, remotely control machines, such as on-site, greatly improving work efficiency.

Intelligent push of fault information **HOT**

Equipment malfunctions, Ink depletion, make-up depletion, and other information can be notified to users through modern communication methods such as email and SMS. You can get on-site information in real time wherever you are in the world.



Flexibility · Adaptable to various work scenarios **NEW** VERSATILITY

Parameter

Flexible customization of various parameters, displaying only commonly used parameters and shielding some irrelevant parameters.

Accessory

Each accessory unit is designed independently, allowing for flexible replacement and reducing maintenance costs

Software

According to the actual needs of customers, various special software can be customized flexibly and privately.

Alarm

DIY customization of alarm content and format can be tailored to meet the needs of the work environment

Hardware

According to the actual situation of the production line, special models with different nozzle throat lengths and protection levels can be customized.

Typeface

Free selection of required fonts, DIY modification of fonts, and creation of specialized fonts

Interface

Rich input and output module interfaces make it easy to connect with industrial equipment such as MES systems, PLC weighing instruments, and scanning guns for dynamic data transmission

Consumables

Flexible selection of 500ml/750m or large capacity continuous supply system.

Power supply

Automatic switching of voltage between 85-265V, optional with built-in UPS uninterruptible power supply to constantly monitor the power supply situation, to prevent accidental power outage that may cause the nozzle to be unable to clean.

Networking

Flexible internet access can be achieved through wired networks, wireless networks, environmental hotspots, mobile hotspots, and optional 5G network cards.

Operate

Humanized human-machine interface, foolproof design to prevent errors, smooth touch for PC and mobile remote flexible control.



Brand Honors · Patented technology¹⁸ + Copyrights¹¹

- National non regional enterprise
- National high-tech enterprise
- National software enterprise environmental management system certification
- Quality management system certification
- Occupational health and safety management system certification
- Five star after-sales service certification
- Information security system certification
- Information technology service management system certification
- EU CE certification



For more certificates, please contact us freely.

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 (5 dot matrix), 315 m/min (7 dot matrix), 245 m/min (9 dot matrix)

138 m/min (12 dot matrix), 128 m/min (16 dot matrix), 45 m/min (24 dot matrix), 18 m/min (34 dot matrix)

Operation interface: 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

Bar code

EAN 8 & 13; Code 128 A, B & C;

EAN 128; Code 39; Code 93; Interleaved 2 of 5

QR code (QR, DM)

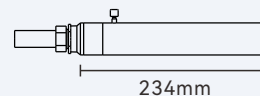
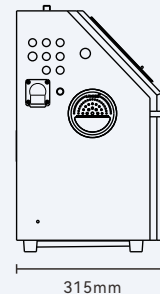
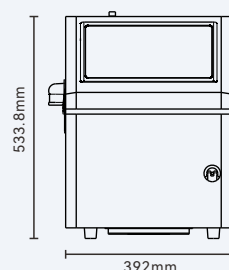
10x10, 12x12, 14x14, 16x16, 18x18, 20x20,

24x24, 34x34

Ink/Make-up Smart Cartridge

Ink Smart Cartridge: (500mL / 750 mL)

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



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