INTERNATIONAL INKJET / GLOBAL DELIVERY

SD SERIES

International edition for production lines worldwide

i7 touchscreen computer / 304 stainless steel / Dual operating systems / Multilingual interface

Illustrative SD Series configuration. Confirm appearance and printhead modules from the order and delivery plan.

01 / Product positioning

One platform for deployment across regions

SD uses a proven modular architecture and printing capabilities, with enhanced specifications for deployment and delivery in export projects.

01 / PROCESSOR

i7 touchscreen computer

High-specification processor with 8 GB memory; 16 GB is optional. Confirm the configuration in the order.

02 / 304 STEEL

Brushed stainless-steel enclosure

The enclosure front, sides and rear panel use brushed 304 stainless steel for easier routine cleaning.

03 / DUAL OS

Windows / Linux

Easyprint supports both platforms, giving customers a choice for their IT environments.

04 / EXPORT

Multilingual international edition

The operator interface supports multiple languages for overseas distributors and multinational factories.

Key features of the international edition

The computing platform, enclosure material and software deployment options are upgraded. Modular printhead and ink-supply architecture supports reuse of proven configurations across regions.

02 / Control platform

More processing capacity for complex jobs

The high-specification touchscreen computer supports layouts with many fields, variable data and on-site operation. Verify actual performance for each job.

Intel i7

8 GB standard / 16 GB optional

This distinguishes SD's computing configuration from the KD standard Intel J1900 / 8 GB configuration.

01 / CONTENT

Layouts with multiple objects

Combine text, images, PDF, barcodes and QR codes in one job.

02 / DATA

Variable-data processing

Update database fields, serial numbers, dates and other content at the production pace.

03 / OPERATION

On-site editing

Use the touchscreen to select jobs, check settings and adjust common layouts.

04 / EXPANSION

Project interfaces

Integrate with host systems, trigger signals and production-line data flows as required by the project.

03 / Ink-path management

InkLink makes ink-supply status more visible

SD retains its intelligent siphon ink-supply architecture. InkLink presents compatible ink-path status, alerts and maintenance controls in the interface.

01 / STATUS

Centralized status view

View liquid level, operating state and alarms according to configuration.

02 / ALARM

Recorded exceptions

Alarm logs help service personnel identify faults.

03 / MAINTENANCE

Centralized maintenance workflow

Organize cleaning, ink-supply checks and recovery operations in the interface according to equipment configuration.

04 / HANDOFF

Service across regions

Consistent status information helps distributors communicate and prepare spare parts.

Functions depend on ink-path configuration

InkLink matches the selected ink-supply hardware and consolidates operating status, alarms and maintenance access. Available monitoring and automatic functions depend on the selected modules and software version.

04 / Cross-platform software

Easyprint runs the same jobs across systems

Easyprint runs on Windows and Linux. Configure language and system environment for each international project.

Windows / Linux

The printing workflow and operation remain consistent, allowing customers to select an operating system that fits their IT architecture.

Layout editing	Text, images, PDF, 1D barcodes, QR codes and fixed graphics.
Data sources	Use dates, counters, serial numbers and variable database content in jobs.
Job switching	Save and recall templates, printhead modules and ink settings according to the delivered configuration.
Multiple languages	Supports a multilingual interface. Confirm available languages for the delivered software version.

05 / Enclosure and delivery

Brushed 304 stainless-steel enclosure for overseas sites

The enclosure combines appearance and cleanability for consistent cross-region installation and routine checks.

01 / MATERIAL

304 stainless steel

The front, sides and rear panel have a fine brushed finish. Assess suitability for on-site chemicals and cleaning methods.

02 / CONSISTENCY

Consistent enclosure platform

It shares dimensions and structure with the existing platform, helping reuse brackets, printhead and cable arrangements.

03 / LANGUAGE

Overseas operator needs

A multilingual interface makes training and cross-team communication easier.

04 / SERVICE

Distributor delivery

Modular parts and clear ink-path status support installation, training and later maintenance.

Checks at delivery

Confirm power and plug type, software system and language, production-line interfaces, regulatory certification and nameplate content for the destination market and order.

06 / Modular architecture

A proven platform with task-specific printhead modules

Printhead interfaces, ink-supply approach and machine structure follow one architecture. The module combination depends on the print job.

Multiple orientations	Printheads can face downward, sideways or at an angle to suit the station. Test drop placement and ink supply.
Dual-head combinations	Two heads can stitch a wider print on one face or serve different faces or stations.
Module replacement	When changing print width, resolution or drop configuration, replace the corresponding printhead module and verify the drive settings.
Ink compatibility	Configure water-based, oil-based or UV ink according to the printhead, material and curing conditions.
Reusable maintenance approach	Common structures simplify spare-parts planning and on-site replacement, reducing wait time during line stoppages.

07 / Configuration comparison

SD and KD configuration comparison

Both share a software framework, intelligent siphon ink supply and modular printhead platform. The following compares positioning and standard configurations.

Comparison item	SD Series	KD Series
Enclosure	Brushed 304 stainless steel	Black enclosure configuration
Processor	Intel i7	Intel J1900
Memory	8 GB; 16 GB optional	8 GB standard
Software system	Easyprint：Windows / Linux	Shared-platform software framework
Language	Multilingual support	Domestic-edition configuration
Market positioning	International edition	Domestic-market edition

Confirm required language, certification and power specification for the export destination.

08 / Selection and delivery

Configure the international edition for the actual production line

Consider computing platform, ink, print orientation and target market to define a testable, deliverable configuration.

Print job	Content density, print height, target line speed, print orientation and material samples.
Software environment	Windows or Linux, required languages, data sources and network interfaces.
Ink-supply solution	Ink type, InkLink status visibility, maintenance workflow and on-site piping.
Export requirements	Power, plug, nameplate, packaging and destination certification requirements.
Sample testing	Validate final print performance with actual material, ink, layout and target line speed.

FHES 0574-87296000

SD Model Selection

Corresponding MD and SD models share printing specifications and differ only in the ink supply system.

SD Series: Intelligent siphon ink supply

Model	Print height	Native resolution	Drop volume	Print speed
SD50	32.4 mm	300 dpi	3 pL	220 m/min
SD60	54 mm	300 dpi	5 pL	110 m/min
SD70	72 mm	180 dpi	35/50 pL	70/54 m/min
SD70Plus	72 mm	360 dpi	12/35 pL	50/35 m/min
SD70S	72 mm	360 dpi	30 pL	114 m/min
SD100	32.4 mm	300 dpi	7 pL	220 m/min
SD200	54 mm	600 dpi	7 pL	110 m/min
SD300	54 mm	600 dpi	5 pL	150 m/min

Speed test conditions: native resolution x native resolution, single-drop mode, in m/min.

For example, SD50 reaches 220 m/min at 300 x 300 dpi. The paired speed and drop-volume values for SD70 and SD70Plus retain their source order.

Specifications follow FHES SD270S Introduction and Technical Specifications. The shared specifications of corresponding MD/SD models have been confirmed.

SD Individual Models

All print speeds use the single-drop test conditions specified in the selection table.

SD50

Intelligent siphon ink supply

Print height	32.4 mm	Native resolution	300 dpi
Drop volume	3 pL	Print speed	220 m/min

SD60

Intelligent siphon ink supply

Print height	54 mm	Native resolution	300 dpi
Drop volume	5 pL	Print speed	110 m/min

SD70

Intelligent siphon ink supply

Print height	72 mm	Native resolution	180 dpi
Drop volume	35/50 pL	Print speed	70/54 m/min

SD70Plus

Intelligent siphon ink supply

Print height	72 mm	Native resolution	360 dpi
Drop volume	12/35 pL	Print speed	50/35 m/min

SD Individual Models

All print speeds use the single-drop test conditions specified in the selection table.

SD70S

Intelligent siphon ink supply

Print height	72 mm	Native resolution	360 dpi
Drop volume	30 pL	Print speed	114 m/min

SD100

Intelligent siphon ink supply

Print height	32.4 mm	Native resolution	300 dpi
Drop volume	7 pL	Print speed	220 m/min

SD200

Intelligent siphon ink supply

Print height	54 mm	Native resolution	600 dpi
Drop volume	7 pL	Print speed	110 m/min

SD300

Intelligent siphon ink supply

Print height	54 mm	Native resolution	600 dpi
Drop volume	5 pL	Print speed	150 m/min

SD70S Detailed Specifications

MD70S and SD70S share these specifications, with negative-pressure and siphon ink supply respectively.

Item	Specification
Printhead Type	Industrial piezoelectric printhead
Operator Interface	13.3-inch industrial capacitive touchscreen
Enclosure Material	Black powder-coated finish
Print Lines	Unlimited lines; freely arrange content within the maximum printhead height
Print Speed	0-114 m/min
Print Height	72 mm
Print content	Variable and fixed text, images, PDF, one-dimensional barcodes, two-dimensional codes, databases and more
Print Fonts	Supports fonts available in Windows
Printhead Count	1 printhead
Data Interface	Gigabit Ethernet
External interfaces	Ethernet, USB and RS232
Printing Orientation	Downward or side printing; adjustable through 0-180 degrees
Printing Mode	Single or continuous printing
Ink Types	Oil-based and UV-curable inks
Ink Colors	Black, white, red, blue, invisible inks and more
Printhead Cleaning	One-touch automatic cleaning
Ink Level Detection	Two-level ink detection
Software Functions	Built-in duplicate-code detection and verification to help prevent duplicate codes
Power Supply	AC 220 V
Power Consumption	100 W
Rated Current	2 A

Enclosure material refers to the black powder-coated configuration in the model document. Confirm international-edition material against the original brochure and delivered version.

SD270S Dual-Printhead Configuration

SD270S uses 2 SD70S printhead modules.

No.	Component	Quantity
1	Controller ink system	1
2	SD70S printhead module	2
3	Independent ink cartridge assembly	2
4	Floor stand with three-axis adjustment	2
5	2000PR encoder and bracket	1
6	Omron fiber-optic sensor from Japan	1
7	711BK environmentally friendly oil-based ink	2
8	Printhead wipes	1
9	Dedicated software license dongle	1
10	Controller base	1

Printhead Expansion and Connections

Supports up to 2 printheads; cascading multiple controllers enables additional printheads.

The standard hose is 2.5 m, with custom lengths up to 9.5 m.

Printhead cables are available in 0.6 m, 1 m or 1.5 m lengths, with custom lengths up to 15 m.

Single-printhead specifications and dual-printhead configuration are listed separately. Confirm combined print width, orientation and operating parameters for the project configuration.