Ink Jet Printer
RX Series
Standard Model

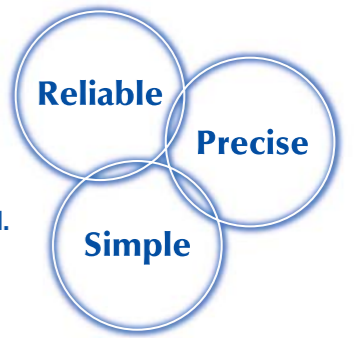http://www.hitachi-ies.co.jp/english/products/ijp/

Product superiority, reliability and innovative technology are captured with our signature new generation Continuous IJ Printer.

The Hitachi RX Series industrial small character high speed printer, categorized as a non-contact marking system, prints variable product information directly on various substrates. The IJ printer is capable of marking and coding various product materials such as metals, plastics, rubbers, films and papers. The Hitachi RX Series offers the consumer superior print quality, reliability and overall performance.

New Concept IJP

The key words for the Hitachi industrial IJ Printer RX Series are: "Reliable", "Precise", and "Simple".

Reliable: Reliability backed with long history and experience.
Precise: Accurate and precision printing even at high-speed.
Simple: Touch panel operation and easy maintenance.

Reliable
Precise
Simple

Innovation 1 Ease of Operation

User friendly operation

Easy operation and maintenance.

Equipment improvements in the cabinet design allows for easier access to circulation and electrical cabinets for more efficient field installations and routine preventive maintenance.

[Increase in the number of registered print data]
The data memory can be expanded to a maximum of 2,000 types with option. A group management function is also provided.

[USB memory-compatible]
"Print data" can be easily backed up using commonly available USB memory.

[Improved maintenance]
Ink and filter replacement can be easily executed by opening circulation cabinet front panel.

Brighter and clear touch screen

Intuitive touch screen.

The actual print message layout is displayed on the screen (WYSIWYG display). The printer function buttons are displayed as icons to assist in understanding the button feature.

[Liquid crystal touch-panel display]
A fixed 10.4 inch large LCD touch panel display

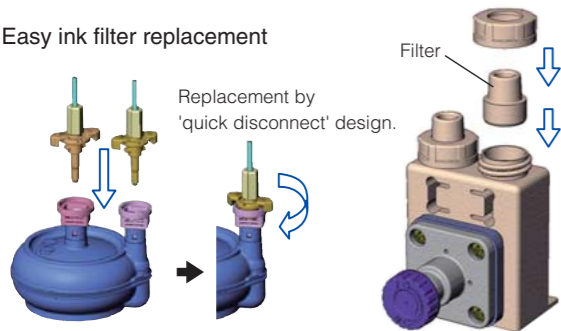WYSIWYG display

Print message settings are visually displayed

Various parameters, such as the line configuration and font size, can be easily set on a single screen.

Improved ink circulation block

Filters can be easily replaced.

Printer filter assemblies can be easily accessed in the circulation cabinet front panel and replaced without use of any tools.
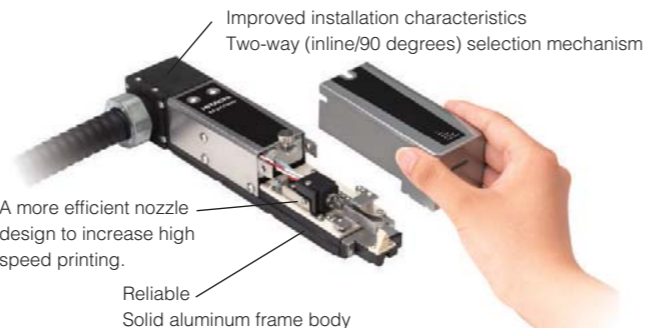
Easy ink filter replacement

Filter

Replacement by 'quick disconnect' design.

High reliability

Printhead is made of cast aluminum body for more rigidity.

Printhead is durable even when subject to severe ambient conditions, both indirectly and directly.

Improved installation characteristics
Two-way (inline/90 degrees) selection mechanism

A more efficient nozzle design to increase high speed printing.

Reliable
Solid aluminum frame body

Eco-friendly and various ink type options

Hitachi is committed to protecting our environment by providing products that are eco-friendly.
Fluids free of 'chrome-complex dye' and 'ethanol based inks' are available for general purpose applications.

AUTO power OFF function

Waiting to power OFF the printer after cleaning shutdown is eliminated.

The process between automatic nozzle cleaning and system power OFF is combined in one push button function. After daily printing is complete, operator no longer waits to power OFF printer after nozzle cleaning.

Innovation 2 Flexible Installation Package

Enclosure rated for industry standard dust and water protection (IP55)

An excellent dust-proof and drip-proof structure is provided.

The RX Series Standard Model conforms to Industry standard dust and water protection (IP55) of the international safety standards (IEC). It is also optimally suited for the production line of "Beverage, food, and Pharmaceutical" because of its highly corrosion-resistant stainless steel body. The applicable temperature range is 0 to 45°C (JP-K67,JP-K69 ink).

Innovation 3 Versatile Equipment Compatibility

Capable of remote connectivity with external equipment via a network function

■ RS-232C compatible transmission speed up to 115kbps.
■ Usable for various external devices by using an I/O interface for PNP/NPN.
■ Usable for LAN communication through a network using Ethernet.(OPTION)
Supports system construction to meet user's needs, by supporting multiple control protocols.

＊ Ethernet is the product name of Xerox Corporation in America.

Standard printing samples (Full scale)

Font (Horizontal x Vertical)		RX-SD160W (standard)		Three-line printing (option)	Four-line printing (option)
RX-SD160W (standard) / Three-line printing (option) / Four-line printing (option)	5×5	1 LINE: 0123456789ABCDEFGH / 012345678	2 LINE: 01234567 ABCDEFGHI	3 LINE: 012345678 ABCDEFGHI JKLMNOPQR	4 LINE: 012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA
	5×7	1 LINE: 0123456789ABCD / 0123456	2 LINE: 012345678 ABCDEFGHI	3 LINE: 012345678 ABCDEFGHI JKLMNOPQR	4 LINE: 012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA
	7×10	1 LINE: 0123456789 / 012345	2 LINE: 01234567 ABCDEFGH	3 LINE: 0123456789012345678 ABCDEFGHIJKLMNOPQRS TUVWXYZABCDEFGHIJKL	
	10×12	1 LINE: 0123456789ABCD / 0123456789	2 LINE: 0123456789 ABCDEFGHIJK		
	12×16	1 LINE: 0123456789ABC / 0123456	2 LINE: 01234 ABCDE		
	18×24	1 LINE: 0123456789 / 0123456789ABC	4 501234 567896		
	24×32	1 LINE: 0123456789ABCDEF / 012345	4 501234 567896		

＊1. The print samples have been produced under ideal conditions. Print quality depends on printing speed.

＊2. Hitachi Industrial Equipment Systems Co.,Ltd. (Hitachi) shall not be liable for any manufacturing loss, or any product damage due to trouble or malfunction of the ink jet printer.

＊3. Hitachi continually improves products. The right, therefore, is reserved to alter the design and/or specifications without giving prior notice.
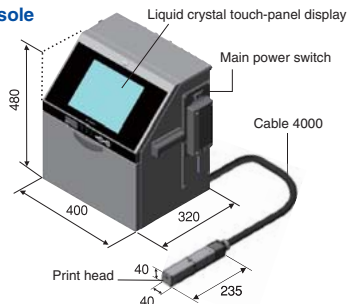
Standard Specification

Item		Model
		RX-SD160W
Nozzle size		65µm
Max. print line number		Up to 2 lines (OPTION: Up to 4 lines)
Maximum number of print characters		Up to 120 characters (OPTION: Up to 1,000 characters)
Font (Horizontal x Vertical)	4x5	OPTION: ✓
	5x5	✓
	5x7(8),9x7(8)	✓
	7x10	✓
	11x11	✓ (Chinese only)
	10x12	✓
	12x16	✓
	18x24	OPTION: ✓
	24x32	OPTION: ✓
Character height		2–10 mm
Display & input device		WYSIWYG design Display: TFT LCD (10.4" color), backlight provided Input device: Touch panel, input sound provided
Screen language 2 language selectable:		English, Chinese, Korean, Thai, Vietnamese, German, French, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russian, Czech, Polish, Arabic, Serbian, Turkish, Hungarian, Bulgarian, Catala available
Maximum print rate (character per second) (Font 5x5, space 1, 1line)		Up to 1,256 (OPTION: Up to 2,513)
Standard characters		Alphanumeric (A–Z, a–z, 0–9), symbols (27), space : Total 90
User pattern		Each dot matrix 200 patterns
Print functions		Calendar, Count, Font mixture, Passwords security, etc.
Barcode printing		code39, ITF, NW-7, EAN-13, EAN-8, UPC-A, UPC-E, code128/EAN-128
2D code printing		OPTION: Data Matrix (Alphabet: 49 characters/Numerals: 98 characters), QR code
Message storage capacity		48 messages〔OPTION: Up to 2,000 messages (depends on data content)〕
Input signal		Print target detection, Printing stop, Rotary encoder pulse, Reciprocative printing, Remote control (Run, Stop, High-voltage ON/OFF, Reset), (NPN/PNP Selectable)
Output signal		Print in progress or Print complete, Online (NPN/PNP Selectable), Print ready, Fault, Warning (NPN Only)
Data interface		RS-232C at baud rates selectable up to 115,200bps
External memory		USB for user data storage
Head cable length / angle		4m (inline/90 degrees)
Operating temperature range		0–45°C (JP-K67, JP-K69 Ink)
Humidity range		30–90% R.H. (no condensation)
Power supply (Automatic voltage selection)		AC100–120/220–240V±10% 50/60Hz 150VA (AC Inlet)
Approval		CE, UL, cUL, C-Tick, FCC, ICES
Overall size (Width x Depth x Height)		400x340x480mm
Environmental protection		IP55
Approximate weight		25kg

Options

Barcode Reader Connection, Special Communication Function A, External Signal Function A, Ethernet

Dimensions of console and print head (Unit: mm)

Console

Liquid crystal touch-panel display

Main power switch

Cable 4000

480

400 320

Print head 40

40 235

* The dimensions of the console do not include projecting parts and controls.

Various marking examples

High print quality is achieved by managing the print control at various line speeds as displayed below.

Information in this brochure is subject to change without notice.

◎ Hitachi Industrial Equipment Systems Co., Ltd.

For further information, please contact your nearest sales representative.