

**HITACHI**  
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# Inkjet Printer **RX2 Series**

STANDARD MODEL

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

The Hitachi RX Series Industrial small character high speed printer, is a non-contact marking system that can print variable product information. The RX Series is capable of marking and coding various product materials such as metal, plastic, rubber, film and paper while offering the consumer superior reliability, performance, and print quality.

## INNOVATION 1 | Ease of Operation

### User friendly operation

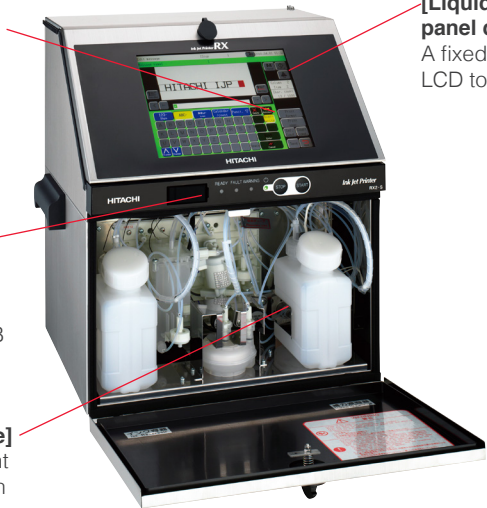
Easy operation and maintenance.

Design improvements in the cabinet allow for easier access to the circulation and electrical areas, resulting in more efficient field installation and preventive maintenance.

**[Increased message storage]** The memory is expandable to allow a maximum of 2,000 individual messages. User level message management is also available.

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

**[Improved maintenance]** Ink and filter replacement is made easier, due to an innovative design.



### [Liquid crystal touch-panel display]

A fixed 10.4 inch large LCD touch panel display

### Brighter and clearer touch screen

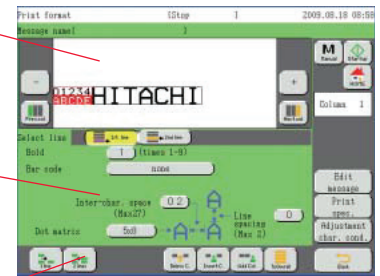
Intuitive touch screen.

Print messages are displayed on the screen via WYSIWYG (what you see is what you get) display. The printer function buttons are displayed as icons to assist in understanding the button's functionality.

WYSIWYG display

Print message settings are visually displayed

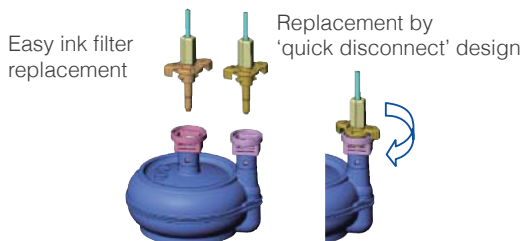
Various parameters, such as the line configuration and font size, can be easily set on a single screen.



### Improved ink circulation block

Ink filter can be easily replaced.

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

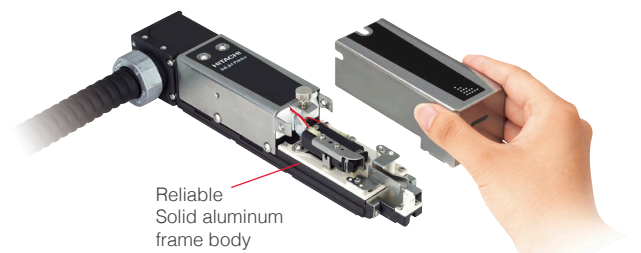


### Higher reliability

Printhead is made of cast aluminum body resulting in increased rigidity.

Printhead is durable even when subject to harsh environment conditions.

Improved installation options: In-line OR 90 degree configuration can be utilized in the same printhead.



### 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 shutdown is no longer necessary.

The RX-S features an automatic nozzle cleaning and power shut down cycle, with one simple push button. After daily printing is complete, the operator no longer waits through the cleaning cycle to power OFF printer. The operator can simply walk away.

## 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 RX2 Series Standard Model conforms to industry standard dust and water protection (IP55) of the IEC international safety standards. It is also optimally suited for the production of beverage, food, and pharmaceutical products because of its highly corrosion-resistant stainless steel body. The applicable temperature range is 32 to 113°F/0 to 45 (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. (Ethernet optional)
- Flexible connection to external devices by using an I/O interface for PNP/NPN.
- LAN communication available through network connection Ethernet (Option).
- Supports easy system integration by supporting multiple control protocols.

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

## Key Hitachi Printer Advantages

### RELIABILITY

Our ink jet printers are designed to allow long periods of uninterrupted runtime. Less operator intervention is required on Hitachi ink jet printers so more time can be spent maximizing your production. Our innovative low pressure, ink circulation block mean less wear and tear and a longer product lifetime.

### EASE OF USE

Intuitive, 10.4 inch LCD touch panel with WYSIWYG display makes it easy for your operators to view and edit messages. Ink filters are designed for simple replacement, by hand, with no tools necessary.

### EFFICIENCY

Low pressure, multi-stage pump draws in less air which lowers fluid evaporation rates. This means Hitachi provides the lowest cost of operation and Hitachi printers capture the data to precisely measure fluids use proving our savings provided to you.

## STANDARD PRINTING SAMPLES (Full Scale)

Font (Horizontal x Vertical)		RX2-SD160W(standard)		Four-line printing (option)	Five-line printing (option)
		1 LINE	3 LINE	4 LINE	5 LINE
Four-line printing (option)	RX-SD160W(standard)	5x5	0123456789ABCDEF6H	012345678 ABCDEFGHI JKLMNOPQR	012345678 ABCDEFGHI JKLMNOPQR STUVWXYZ
		5x7	0123456789ABCD	012345678 ABCDEFGHI JKLMNOPQR	012345678 ABCDEFGHI JKLMNOPQR STUVWXYZ
		7x10	0123456789	0123456789012345678 ABCDEFGHIJKLMNOPQRS TUVWXYZABCDEFGHIJKL	
		10x12	012345 0123	01234567890 ABCDEFGHIJK	
		12x16	0123456789ABC 0123456		01234 ABCDE
		18x24	0123456789 0123456789ABC		
Five-line printing (option)		24x32	0123456789ABCDEF 012345		

\*1. The print samples are 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	
Nozzle size	RX2-SD160W 65µm	
Max. print line number	Up to 3 lines (Option: Up to 5 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	✓
	24x32	Option: ✓
Character height	0.08-0.39 inches / 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, Catalan, Romanian, Finnish, Norwegian available	
Maximum print rate (character per second) (Font 5x5 space 1, 1 line)	Up to 1,148 (Option: Up to 2,296)	
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, Password security, etc.	
Barcode printing	code 39, ITF, NW-7, EAN-13, EAN-8, UPC-A, UPC-E, code128/EAN-128, GS-1 DataBar	
2D code printing	Option: Data Matrix (Alphabet: 49 characters/Numerals: 98 characters), QR, Micro 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, Reciprocal 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-232 at baud rates selectable up to 115,200bps (Option: Ethernet)	
External memory	USB for user data storage	
Head cable length / angle	13.1ft/4m (inline/90 degrees), (Option: 19.7ft/6m)	
Operating temperature range	32 –113°F / 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)	15.7 x 12.6 x 18.9 inches 400x320x480mm	
Environmental protection	IP55	
Approximate weight	55lbs / 25kg	

## Options

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

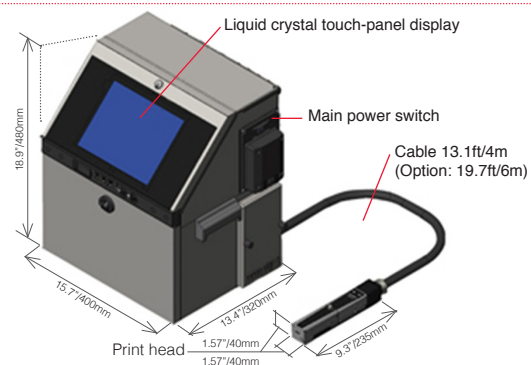
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Visit [www.hitachi-america-us/inkjetprinters/](http://www.hitachi-america-us/inkjetprinters/)  
or call (704) 972-9879

## Dimensions of console and print head

### Console



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



Registration number: JACO-EC99J2009  
Registration date: July 22, 1996

Registration number: JQA-QMA12087  
Registration date: April 1, 2005

The Marking Systems and Hoist Systems Division (Taga Division) of Hitachi Industrial Equipment Systems Co., Ltd. obtained ISO 14001 certification, an international standard for environmental management systems.

For more information, please contact your nearest sales representative:

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