

HITACHI
Inspire the Next

Ink Jet Printer
RX2 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 RX2 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 RX2 Series offers the consumer superior print quality, reliability and overall performance.

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 ink 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



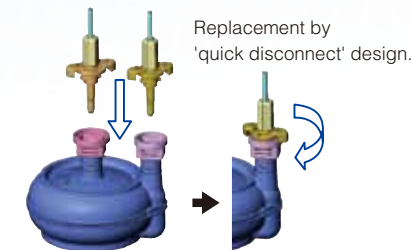
Various parameters, such as the line configuration and font size, can be easily set on a single screen.

Improved ink circulation block

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.

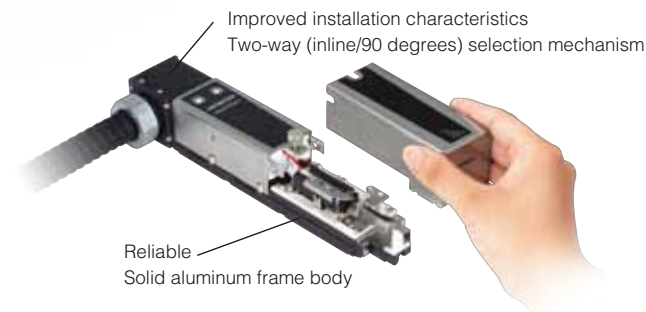
Easy ink filter replacement



High reliability

Printhead is made of cast aluminum body for more rigidity.

Printhead is durable even when subject to harsh environment conditions, both indirectly and directly.



Eco-friendly and various ink type options

Paves the way to print on previously problematic marking objects. Plus friendly to global and plant sanitary environments.

We have a wide range of inks to meet various needs. It includes the highly-functional inks with strong adhesion, even to challenging PP and PE surfaces and the surface of glass with dew condensation as well as environment-friendly varieties such as "chromium-free" and "ethanol-based" inks.

AUTO power OFF function

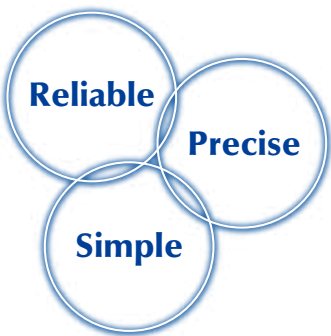
Waiting to power OFF the printer after cleaning shutdown is eliminated.

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.

New Concept IJP

The key words for the Hitachi industrial IJ Printer RX2 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.



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 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)				RX2-SD160W(standard)		Four-line printing (option)		Five-line printing (option)		
RX2-SD160W(standard)	Four-line printing (option)	5x5	1 LINE	0123456789ABCDEF6H	3 LINE	012345678 ABCDEFGHI JKLMNOPQR	4 LINE	012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA	5 LINE	012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA ABCDEFGHI
			1 LINE	012345678	3 LINE	ABCDEFGHI JKLMNOPQR	4 LINE	ABCDEFGHI JKLMNOPQR STUVWXYZA	5 LINE	ABCDEFGHI JKLMNOPQR STUVWXYZA ABCDEFGHI
			1 LINE	0123456789ABCD	3 LINE	012345678 ABCDEFGHI JKLMNOPQR	4 LINE	012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA	5 LINE	012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA ABCDEFGHI
			1 LINE	0123456	3 LINE	ABCDEFGHI JKLMNOPQR	4 LINE	ABCDEFGHI JKLMNOPQR STUVWXYZA	5 LINE	ABCDEFGHI JKLMNOPQR STUVWXYZA ABCDEFGHI
			1 LINE	0123456789	3 LINE	0123456789012345678 ABCDEFGHIJKL MNOPQRST	4 LINE	0123456789012345678 ABCDEFGHIJKL MNOPQRST TUVWXYZA	5 LINE	0123456789012345678 ABCDEFGHIJKL MNOPQRST TUVWXYZA ABCDEFGHIJKL
			1 LINE	012345	2 LINE	0123456789012345678 ABCDEFGHIJKL	4 LINE	0123456789012345678 ABCDEFGHIJKL MNOPQRST TUVWXYZA	5 LINE	0123456789012345678 ABCDEFGHIJKL MNOPQRST TUVWXYZA ABCDEFGHIJKL
Five-line printing (option)		12x16	1 LINE	0123456789ABC	2 LINE		01234 ABCDE			
			1 LINE	0123456789						
			1 LINE	0123456789ABC						
			1 LINE	0123456789ABCDEF						
			1 LINE	012345						
			1 LINE	0123456789ABCDEF						

*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

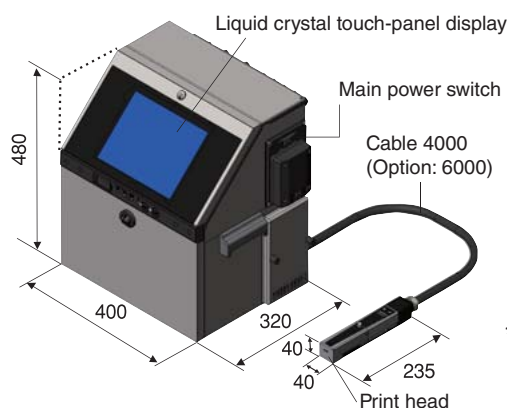
Item		Model
		RX2-SD160W
Nozzle size		65µm
Max. print line number		Up to 3 lines (Option: Up to 5 lines)
Maximum number of print characters		Up to 120 characters (Option: Up to 1,000 characters)
Font (Horizontal x Vertical)	4x5	Option: ✓
	5x5	✓
	5x7(8),9x7(8)	✓
	7x10	✓
	11x11	✓ (Chinese only)
	10x12	✓
	12x16	✓
	18x24	✓
	24x32	Option: ✓
Character height		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, 1line)		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		code39, 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-232C at baud rates selectable up to 115,200bps (Option: Ethernet)
External memory		USB for user data storage
Head cable length / angle		4m (inline/90 degrees), (Option: 6m)
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 120VA (AC Inlet)
Approval		CE, UL, cUL, C-Tick, FCC, ICES
Overall size (Width x Depth x Height)		400x320x480mm
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



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

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.



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 international standard ISO 9001 certification for the quality assurance of the Ink Jet Printer contained in this brochure.