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 allow 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.
- 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
  - Replacement by "quick disconnect" design.

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

**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 U 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).

**Standard printing samples (Full scale)**

- Five-line printing (option)
- Four-line printing (option)
- Three-line printing (option)
- Two-line printing (option)
- One-line printing (option)

**Compatibility**

- RS-232C compatible transmission speed up to 115kbps.
- [Ethernet] (Option)
  - Usable for various external devices by using an I/O interface for FNP/IPN.
  - 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.

**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 FNP/IPN.
- 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.

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*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

<table>
<thead>
<tr>
<th>Item</th>
<th>RX2-SD160W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nozzle size</strong></td>
<td>(3/32&quot;)</td>
</tr>
<tr>
<td><strong>Max. print line number</strong></td>
<td>Up to 3 lines (Option: Up to 5 lines)</td>
</tr>
<tr>
<td><strong>Maximum number of print characters</strong></td>
<td>Up to 120 characters (Option: Up to 1,000 characters)</td>
</tr>
<tr>
<td><strong>Font (Horizontal x Vertical)</strong></td>
<td>5x7(8)</td>
</tr>
<tr>
<td></td>
<td>7x10</td>
</tr>
<tr>
<td></td>
<td>11x11</td>
</tr>
<tr>
<td></td>
<td>10x12</td>
</tr>
<tr>
<td></td>
<td>19x16</td>
</tr>
<tr>
<td></td>
<td>24x32</td>
</tr>
<tr>
<td><strong>Character height</strong></td>
<td>2-10 mm</td>
</tr>
<tr>
<td><strong>Display &amp; input device</strong></td>
<td>Display: TFT LCD (10.4&quot; color), backlight provided Input device: Touch panel, input sound provided</td>
</tr>
<tr>
<td><strong>Screen language</strong></td>
<td>English, Chinese, Korean, Thai, Vietnamese, German, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russian, Czech, Polish, Arabic, Serbo-Croatian, Turkish, Hungarian, Bulgarian, Catalan, Romanian, Finnish, Norwegian available</td>
</tr>
<tr>
<td><strong>Maximum print rate (character per second)</strong></td>
<td>Up to 1,148 (Option: Up to 2,295)</td>
</tr>
<tr>
<td><strong>Standard characters</strong></td>
<td>Alphabet (A-Z, a-z, 0-9), symbols (27), space (Total 96)</td>
</tr>
<tr>
<td><strong>Print functions</strong></td>
<td>Calendar, Count, Print mixture, Password security, etc.</td>
</tr>
<tr>
<td><strong>Barcode printing</strong></td>
<td>Code39, ITF, NW-7, EAN-13, EAN-8, UPC-A, UPC-E, GS-1 DataBar</td>
</tr>
<tr>
<td><strong>2D code printing</strong></td>
<td>Option: Data Matrix (Alphanumeric, Max. 40 characters: Numeric/88 characters), QR, Micro QR code</td>
</tr>
<tr>
<td><strong>Message storage capacity</strong></td>
<td>48 messages (Option: Up to 2,000 messages (depends on data content))</td>
</tr>
<tr>
<td><strong>Input signal</strong></td>
<td>Remote control (Run, Stop, High-voltage ON/OFF, Reset, (NPN/PNP Selectable))</td>
</tr>
<tr>
<td><strong>Output signal</strong></td>
<td>Print is progress of Print complete, Online (NPN/PNP Selectable), Print ready, Fault, Warning (NPN Only)</td>
</tr>
<tr>
<td><strong>Data interface</strong></td>
<td>RS-232C at baud rates selectable up to 115,200bps (Option: Ethernet)</td>
</tr>
<tr>
<td><strong>External memory</strong></td>
<td>48 messages (Option: Up to 2,000 messages (depends on data content))</td>
</tr>
<tr>
<td><strong>Head cable length / angle</strong></td>
<td>10m (105°)</td>
</tr>
<tr>
<td><strong>Humidity range</strong></td>
<td>30-92%, RH (no condensation)</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>AC100-120/220-240V ±10% 50/60Hz 120VA (AC inlet)</td>
</tr>
<tr>
<td><strong>Environmental protection</strong></td>
<td>IP55</td>
</tr>
<tr>
<td><strong>Approximate weight</strong></td>
<td>25kg</td>
</tr>
</tbody>
</table>

### 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 (Option: 6000)

**Print head**

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

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**Hitachi Industrial Equipment Systems Co., Ltd.**

For further information, please contact your nearest sales representative.

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*Information in this brochure is subject to change without notice.*

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