

HITACHI
Inspire the Next

Ink Jet Printer
UX Series



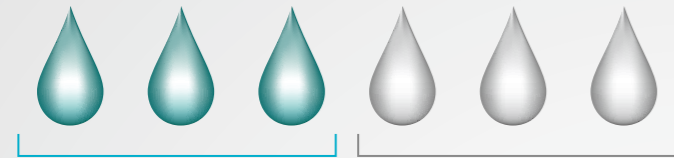


**Hitachi's original
"Makeup fluid consumption reduction system"
has Significantly-reduced running cost.**

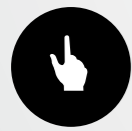
The ink recovery control and device temperature control provided by the new technology "Makeup fluid consumption reduction system" suppresses the amount of makeup vaporized, and achieves industry-leading levels of makeup consumption.

*As compared to Hitachi current models with 1067K ink at 20°C.
About 30% reduction for UX-B and UX-D.

Reduction achieved by the new system



About **50%**
reduction compared to
former models *



**Use of cartridge-type ink and makeup makes the printer easier to use,
more convenient, and more resource saving**

Use of cartridge-type ink bottle and makeup bottle allows easier replacement, and avoids "getting your hands dirty" or "ink spillage".

Easy



Easy and quick replacement of ink and makeup cartridges without staining your hands. A new error prevention feature (alarm) is provided using IC tags for ink and makeup replacement. Simplified checking makes the replacement more effective.

*Some geographic areas are excluded.

Convenient



Icons on the screen indicate the ink and makeup amount of residue. They also indicate the proper time for cartridge replacement, which further improves usability.

Resource saving



The ink and makeup cartridge bottles can be used right up to the last drop. Using up the ink and makeup eliminates the need to dispose of the ink and makeup, and their cartridge bottles separately.

Next-generation leadership performance

**Maintainability and environmental performance
have dramatically improved.
A human-friendly and environmentally-friendly
IJ printer has debuted.**

Hitachi Industrial Equipment Systems Co.,Ltd. declares that the IC tag reader is in compliance with the essential requirements and other relevant provisions of the FCC Part15 subpart C, EN 301 489-1/-3, EN 300 330-1/-2.



The new print technology "6-Line Print" meets a variety of needs

A single printhead allows prints of up to six lines. Hitachi's original interlaced print control system clearly prints characters one by one. The new print control system also enables single-line high-speed printing, which provides excellent print quality.



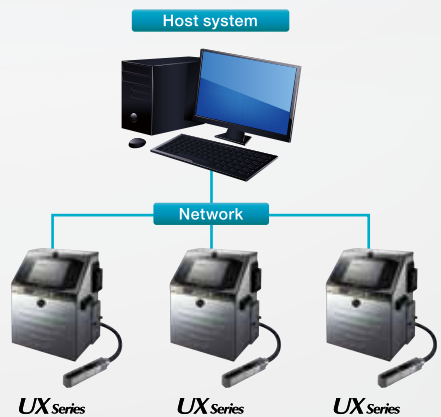
User interface provides a variety of features

A 10.4-inch TFT LCD touch-panel screen provides a wide, easy-to-see viewing angle and contact-type intuitive operation. In addition, when calling new data, a finished image of the print can be checked on the screen, which helps avoid any erroneous printing.



Strengthened compatibility with the network, improving compatibility with host system

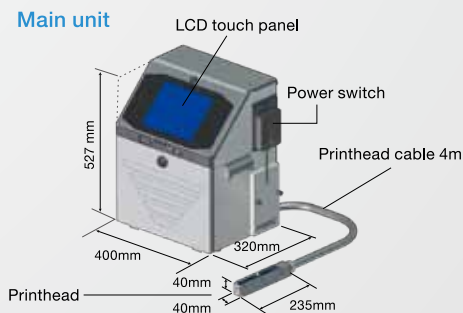
Ethernet as a standard feature saves wiring. In addition, open network is supported, and it allows easier system construction. Collective management via host system enables two or more devices to be easily networked.



Standard printing samples (Full scale)

Font (Horizontal x Vertical)		UX-D160W(Standard) UX-B160W			UX-E160W UX-D160W(Optional)	
UX-D160W(Standard) UX-B160W	5x5	小	0123456789ABCDEFGH	012345678 ABCDEFGHI	012345678 ABCDEFGHI JKLMNOPQR	0123456789 ABCDEFGHIJKL MNOPQRST UVWXYZ
		大	012345678	ABCDEFGHI	JKLMNOPQR	
	5x7	小	0123456789ABCD	012345678 ABCDEFGHI	012345678 ABCDEFGHI JKLMNOPQR	0123456789 ABCDEFGHIJKL MNOPQRST UVWXYZ
		大	0123456	ABCDEFGHI	JKLMNOPQR	
	7x10	小	0123456789	01234567 ABCDEFGH	0123456789012345678 ABCDEFGHIJKLMNOPQRS TUVWXYZABCDEFGHIJKL	
		大	012345	ABCDEFGH		
10x12	小	0123456789ABCD		01234567890 ABCDEFGHIJK		
	大	0123456789				
12x16	小	0123456789ABC アイウエオカキクケコ			2LINE	01234 ABCDE
	大	0123456	01	QR		
18x24	小	0123456789			1LINE	0A QR
	大	0123456ABC QR				
UX-E160W UX-D160W(Optional)	24x32	小	0123456789ABCDEF			
		大	012345	Barcode	QR	
	30x40	1LINE	012345ABCDEF			
	36x48	1LINE	012345ABCD			

Main unit/Printhead dimension



*Main unit dimensions do not include any projections.

Standard Specification

Item	Model		
	UX-B160W	UX-D160W	UX-E160W
Nozzle size	65µm		
Max. print line number	Up to 3 lines	Up to 3 lines (Option: Up to 6 lines)	Up to 6 lines
Maximum number of print characters	Up to 240 characters	Up to 240 characters (Option: Up to 1,000 characters)	Up to 1,000 characters
Font (Horizontal x Vertical)	4 x 5	—	Option: ✓
	5 x 5	✓	✓
	5 x 7(8), 9 x 7(8)	✓	✓
	7 x 10	✓	✓
	11 x 11	✓ (Chinese only)	✓ (Chinese only)
	10 x 12	✓	✓
	12 x 16	✓	✓
	18 x 24	✓	✓
	24 x 32	—	Option: ✓
	30 x 40	—	Option: ✓
36 x 48	—	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 languages 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, Slovenian		
Maximum print rate (characters per second) (Font 5x5, space 1, 1 line)	Up to 1,148	Up to 1,148 (Option: Up to 2,296)	Up to 2,296
Standard characters	Alphanumeric (A-Z, a-z, 0-9) , symbols (27) and space: Total 90		
User pattern	50 patterns each for dot matrix	200 patterns each for dot matrix	
Print functions	Calendar, Count, Font mixture, Password		
Barcode printing	—	code39, ITF, NW-7, EAN-13, EAN-8, UPC-A, UPC-E, code128/EAN-128, GS-1 DataBar	
2D code printing	—	Data Matrix (Alphabet: 49 characters/Numerals: 98 characters), QR, Micro QR code	
Message storage capacity	150 messages	300 messages [Option: Up to 2,000 messages (depends on data content)]	2,000 messages (depends on data content)
Input signal	Print target detection Rotary encoder pulse (NPN/PNP Selectable)	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 ready, Fault, Warning (NPN Only)	Print in progress or Print complete, Online (NPN/PNP Selectable), Print ready, Fault, Warning (NPN Only)	
Data interface	Option (RS-232C at baud rates selectable up to 115,200bps)	RS-232C at baud rates selectable up to 115,200bps	
Ethernet (Modbus communication)	—	IEEE802.3 , 100BASE-T	
External memory	USB for user data storage		
Printhead cable length / angle	4m (in-line/90 degrees)		
Operating temperature range	0-50°C(1067K Ink)		
Operating humidity range	30-90% RH (no condensation)		
Power supply (Automatic voltage selection)	AC100-120/220-240V±10% 50/60Hz 120VA		
Approval	CE, UL, cUL, C-Tick, FCC, ICES		CE, C-Tick
Dimensions (Width x Depth x Height)	400 x 320 x 527 mm		
International protection	IP55	IP65	
Approximate weight	27kg		

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.