

HITACHI
Inspire the Next[®]

Ink Jet Printer
UX Series



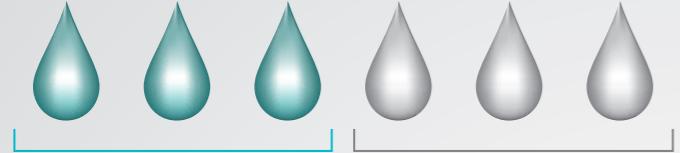


**Hitachi's original
“Makeup fluid consumption reduction system”
has Significantly-reduced running cost.**

The ink recovery control and device temperature control provided by the new technology “Makeup fluid consumption reduction system” suppresses the amount of makeup vaped, 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 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.



Conven-ient



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.**



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.

HITACHI INK JET PRINTER UX



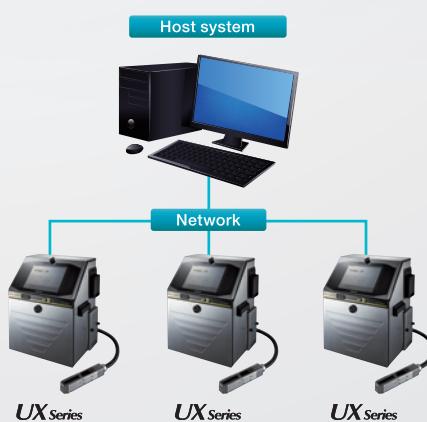
User interface provides a variety of features

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.

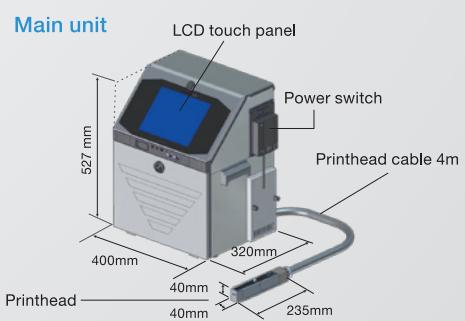


Standard printing samples (Full scale)

Font (Horizontal x Vertical)		UX-D160W(Standard) UX-B160W						UX-E160W UX-D160W(Option)	
UX-D160W UX-B160W	5x5	小 1LINE	0123456789ABCDEFGHI	2LINE	012345678 ABCDEFGHI	3LINE	012345678 ABCDEFGHI	6LINE	012345678 ABCDEFGHI
	5x7	小 1LINE	0123456789ABCDEFGHI	2LINE	012345678 ABCDEFGHI	3LINE	012345678 ABCDEFGHI	4LINE	012345678 ABCDEFGHI
	7x10	小 1LINE	0123456789	2LINE	01234567 ABCDEFGHI	3LINE	01234567890123456789	6LINE	01234567890123456789
	10x12	小 1LINE	0123456789ABCDEFGHI	2LINE	0123456789 ABCDEFGHI	3LINE	01234567890123456789	6LINE	01234567890123456789
	12x16	小 1LINE	0123456789ABC	アイウエオカキクケコ					
	18x24	小 1LINE	0123456789	2LINE	0123456789 ABCDEFGHI	3LINE	0123456789 ABCDEFGHI	6LINE	0123456789 ABCDEFGHI
	24x32	小 1LINE	0123456789ABCDEFGHI	2LINE	0123456789 ABCDEFGHI	3LINE	0123456789ABCDEFGHI	6LINE	0123456789ABCDEFGHI
UX-E160W UX-D160W(Option)	30x40	1LINE	0123456789ABCDEFGHI						0123456789ABCDEFGHI
	36x48	1LINE	0123456789ABCDEFGHI						0123456789ABCDEFGHI

Main unit/Printhead dimension

Main unit



*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	—	✓
	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, Reciprocatve 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.