PT. WIJAYAMAS TEKNINDO
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HITACHI
Inspire the Next

Ink Jet Printer
UX Series

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)	✓ (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℃(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.

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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.

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Next-generation leadership performance

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

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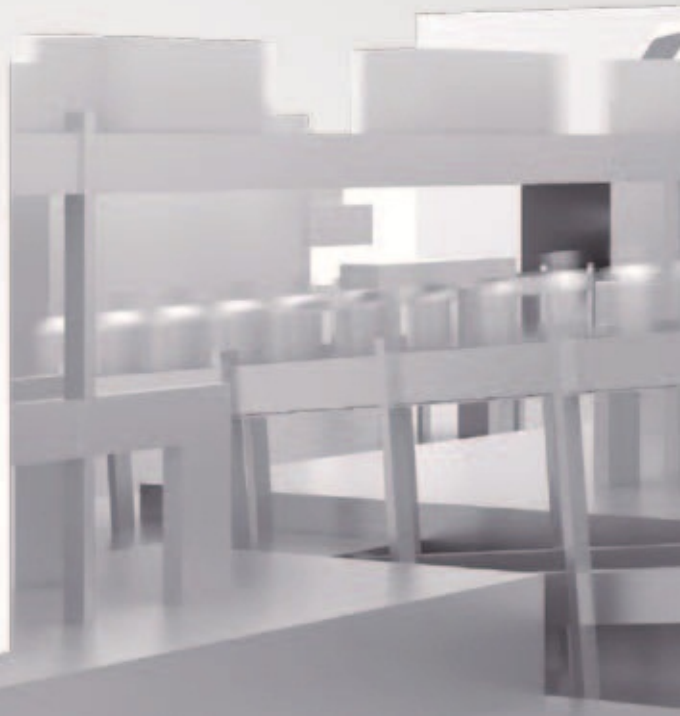
Hitachi's original "Makeup fluid consumption reduction system" has Significantly-reduced running cost.

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

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.

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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(Standard) UX-B160W				
5x5	1LINE 0123456789ABCDEFGH / 0123456789	2LINE 0123456789 ABCDEFGHI	3LINE 0123456789 ABCDEFGHI JKLMNOPQR	4LINE
5x7	1LINE 0123456789ABCD / 0123456	2LINE 0123456789 ABCDEFGHI	3LINE 0123456789 ABCDEFGHI JKLMNOPQR	4LINE
7x10	1LINE 0123456789 / 012345	2LINE 01234567 ABCDEFGH	3LINE 0123456789012345678 ABCDEFGHIJKLMNOPQRS TUVWXYZABCDEFGHIJKL	
10x12	1LINE 0123456789ABCD / 0123456789		1LINE 01234567890 ABCDEFGHIJK	
12x16	1LINE 0123456789ABCアイウエオカキクケコ / 0123456 01			2LINE 01234 ABCDE
18x24	1LINE 0123456789 / 0123456ABC			1LINE 0A
UX-E160W UX-D160W(Option)				
24x32	1LINE 0123456789ABCDEF / 012345			
30x40	1LINE 012345ABCDEF			
36x48	1LINE 012345ABCD			

Main unit/Printhead dimension

Main unit

*Main unit dimensions do not include any projections.

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