

HITACHI
Inspire the Next

Ink Jet Printer

UX Series

P i g m e n t e d i n k

THE WORLD WIDE



<http://www.hitachi-ies.co.jp/english/products/ijp>



Realized crisp printing with high contrast

The UX Series for Pigmented ink has debuted with further improved visibility of printing for a variety of printing needs. It realizes a high contrast even on a dark-colored material surface.



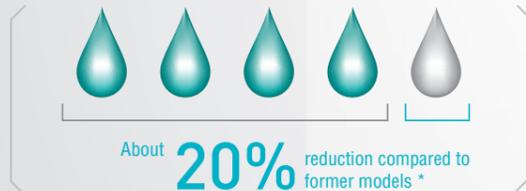
Hitachi original "Makeup fluid consumption reduction system" has Significantly-reduced running cost.

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

Reduction of makeup fluid consumption

* With JP-W89 ink at 20°C.

UX-P



About **20%** reduction compared to former models *



"Pigmented-ink stirring system" executes the optimal stirring control and improves the ink dispersion stability

The electric stirrer prevents the agglomeration and the settling which are specific to the pigmented ink so that it prevents the nozzle and the filter clogging. In addition, the Pigment model of UX Series is equipped with "Ink circulation control" which allows the ink to circulate even in a standby mode to prevent the ink fixing and realizes smooth operation on the production lines.

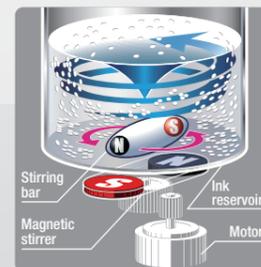
Smooth supply for ink and makeup fluid

Ink and makeup fluid can be supplied at any time with no interruption.

Electric stirrer



The image of stirring pigmented ink by electric stirrer



Pigments which are going to settle at the bottom of ink reservoir will be stirred from top to bottom by the stirrer.

Pigmented-ink Supporting High-performance Model

Realized a high contrast on dark-colored materials.
Maintainability and environmental performance have dramatically improved.
A human-friendly and environment-friendly IJ printer has debuted.



User interface provides a variety of features

Intuitive operations with a new readily-understandable screen design is now adopted. Most of the operations can be completed on one screen with a simplified and well-arranged design. Complicated operations are not required to obtain the necessary information thereby improving usability.



Enhanced network functionality by improving compatibility with the host system

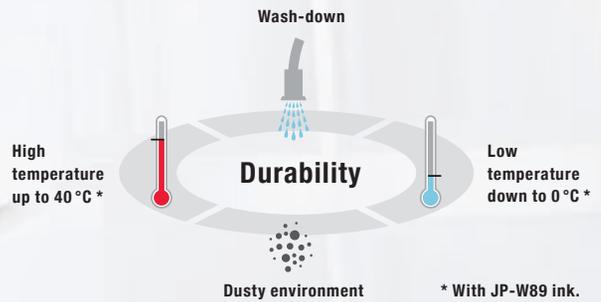
Configuration of an IoT* system can be smoothly realized using simple wiring because of the standard Ethernet feature and open network compatibility. By collectively managing multiple devices from the host system, the information gathering and operations become more efficient.

* Internet of Things



Designed for harsh environments

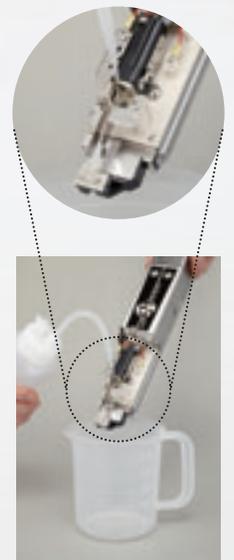
The stainless steel cabinet offers IP65 and allows a wash-down with pressured water and industrial detergent, to meet any environment and hygiene requests. The UX Series for Pigmented ink with IP65 protection is the ideal choice for a variety of printing needs.



Automatic nozzle cleaning / Nozzle backwash

Automatic cleaning starts by one press of a button and there is no need to wait for its completion since the IJ printer will be in a stop mode automatically when it is finished. Even if the nozzle gets clogged, it can be easily recovered by the nozzle backwash function that is opposite of the normal ink ejection, in which the fluid is sucked through the nozzle.

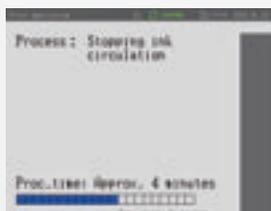
Operation screen of nozzle backwash



Automatic nozzle cleaning



Press [OK]

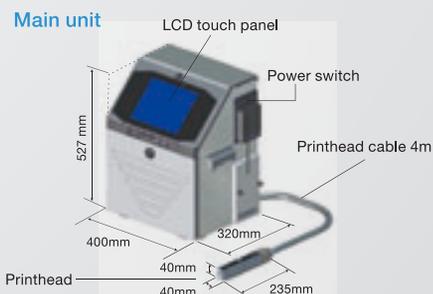


Automatic cleaning starts and then the IJ printer will be in a stop mode automatically when cleaning completes.

Standard print samples (Approx. full scale)

Font (Horizontal x Vertical)	UX-P160W/S					
5x5	1LINE 小 0123456789ABCDEF6H 大 012345678	2LINE 012345678 ABCDEF6H	3LINE 0123456789 ABCDEFGHI JKLMNOP	6LINE 0123456789 ABCDEFGHI JKLMNOP QRSTUVWXYZ 0123456789 ABCDEFGHI JKLMNOP		
5x7	1LINE 小 0123456789ABCD 大 0123456	2LINE 012345678 ABCDEFGHI	3LINE 012345678 ABCDEFGHI JKLMNOPQR	4LINE 0123456789 ABCDEFGHI JKLMNOPQR STUVWXYZ		
7x10	1LINE 小 0123456789 大 012345	2LINE 01234567 ABCDEFGH	3LINE 0123456789012345678 ABCDEFGHIJKLMNPOQR STUVWXYZABCDEFGHIJKL			
10x12	1LINE 小 0123456789ABCD 大 0123456789	2LINE 01234567890 ABCDEFGHIJK				
12x16	1LINE 小 0123456789ABC アイウエオカキクケコ 大 0123456 01	2LINE 01234 ABCDE				
18x24	1LINE 小 0123456789	2LINE 0123456789 ABC				
24x32	1LINE 小 0123456789ABCDEF 大 012345					
30x40	1LINE 012345ABCDEF					
36x48	1LINE 012345ABCD					
Logo	JIS mark	CE mark	UL mark	DIN printing	Chimny printing	
				ABC DEF	0123456789	

Main unit/Printhead dimension



*Main unit dimensions do not include any projections.

Specification

Item	Model	
	UX-P160 W / S	
Nozzle size	65µm	
Maximum number of print lines	Up to 6 lines	
Maximum number of print 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)
	10 x 12	✓
	12 x 16	✓
	18 x 24	✓
	24 x 32	✓
	30 x 40	✓
36 x 48	✓	
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 2,083 (JP-W89 Ink)	
Standard characters	Alphanumeric (A-Z, a-z, 0-9) , symbols (27) and space: Total 90	
User patterns	200 patterns each for dot matrix	
Print functions	Calendar, Count, Font mixture	
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	Up to 2,000 Messages (Depends on data content)	
Input signal	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 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	
Ethernet	IEEE802.3, 100BASE-T	
External memory	USB for user data storage	
Printhead cable length / angle	4m (in-line/90 degrees)	
Operating temperature range	0-40°C (JP-W89 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, RCM, FCC, ICES	
Dimensions (Width x Depth X Height)	400 x 320 x 527 mm	
International protection	IP65	
Approximate weight	27kg	

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- 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.