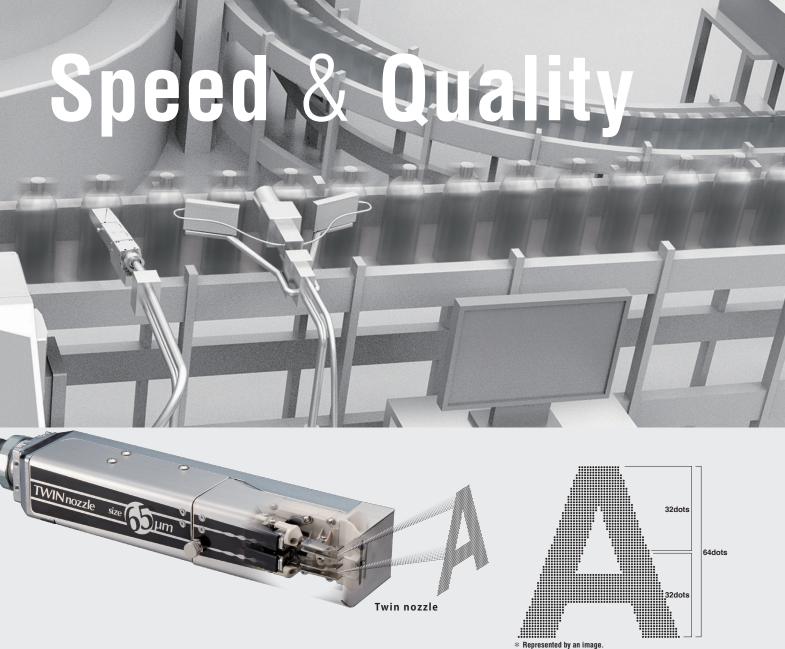


Ink Jet Printer

UX Series Twin nozzle model

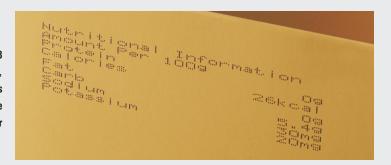


https://www.hitachi-ies.co.jp/english/products/ijp





Our printhead now has the capability of producing 8 lines of text by utilizing two individual nozzles in one, compact design. In addition, by utilizing Hitachi's original "interlaced" print control technique, multiple line messages are printed clearly and legibly, further reducing coding errors due to misprint.





Versatile 64-Dots

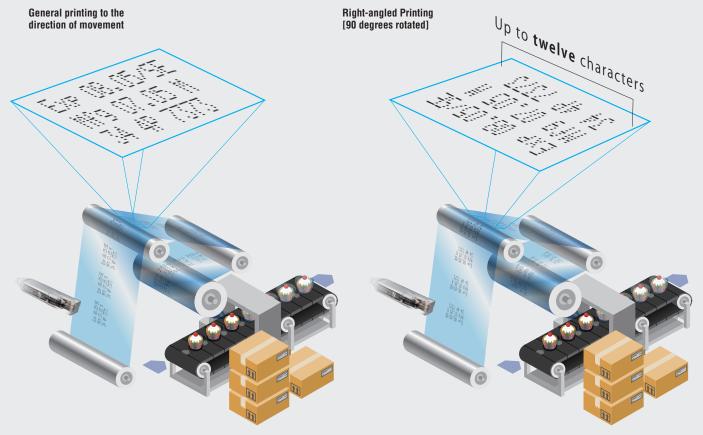
Our innovative design can now produce 64 vertical dots of print resulting in large, bold characters. This makes our twin nozzle printer ideally suited to mark company logos or any other pattern previously unachievable with traditional print heads.





Hitachi UX Twin Nozzle model enables to print up to twelve characters at right angles*1 to the direction of movement with consideration for design or position of printing objects and thus extending the possibility of print contents and meeting various customer's needs.

- *1 Depends on font size.
 * Represented by an image.





Higher print speeds

Having two nozzles on tap dramatically increases the speed of multi-line printing. Traditional, single nozzle print heads become taxed very quickly when printing multiple lines of print especially at speed. By sharing the work load between two separate nozzles, this effect is greatly reduced.



Print sample of drink cartons

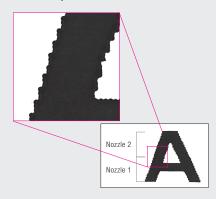
Print sample of PET bottle

Print sample of cans



Character stitch capability

In case of printing composite characters by two nozzles, the fine-tuning function provides smooth connection of dots at a print position, resulting in the high-quality printing.

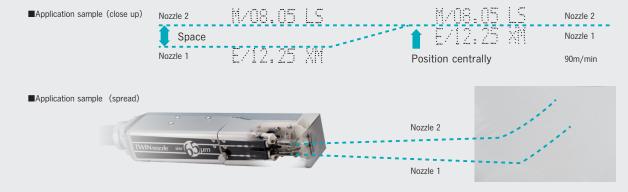




Nozzle-Space Alignment Function*1

By using this alignment function, our twin nozzle can print the characters without reducing the print speed even when adjusting the space between nozzles and thus can meet various printing needs.

*1 Print quality will vary before and after this function activated.

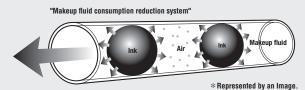


Reliabi



Low fluid consumption

A large factor in determining fluid consumption is the amount of fluid exposure to the outside environment. Hitachi designs their pump system in such a way that minimizes this exposure. Our ink recovery system pulsates ink with best-suited air flow rate while being transported back to the ink tank. This technique reduces the surface area or exposure area of ink, thus reducing the evaporation rate and your bottom line.







As compared to two units of Hitachi current PXR and RX models used with 1067K ink at 20°C.



Easy to Use Interface

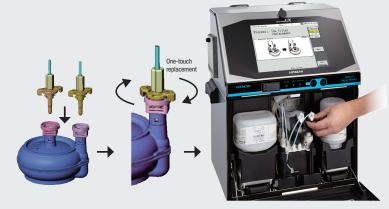
The display of our Twin-nozzle model utilizes the same, easy-to-use touch panel incorporated in other UX models. A large 10.4" display, and intuitive parameter illustrations reduce the complexity typically found in traditional small screen printers. In addition, the messages can be easily changed in one screen, with a live WYSISYG display.





Low total cost of operation

Hitachi's design facilitates longevity. Each component of our print head can be replaced individually, thus reducing the need to purchase costly sub-assemblies. In addition, our preventative maintenance items are all replaceable individually as well, further reducing the unnecessary replacement of complete ink circuits or complete ink cores.





Designed for harsh environments

The stainless steel cabinet offers IP55 protection and allows for wash-down and dust protection. The UX Series Twin nozzle's protection is the ideal choice for a variety of printing needs.



Standard print samples (Approx. full scale)

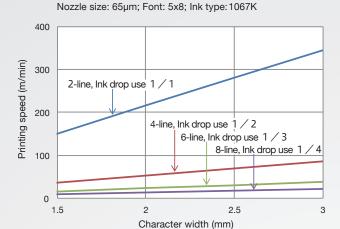
Printing specification					UX-D86	OW/S			
High-speed printing	160m/min Font: 5x7	Nozzle 2 Nozzle 1		34587 DEFGH	,	200m/min Font	Nozzle 2	_	234567 CDEFGH
2, 3-line	Font: 7x10	Nozzle 2 Nozzle 1	_		37890 3HIJK				
printing	Font: 7x10	Nozzle 2 Nozzle 1	[01 [AB T U	232 CDE INE		789C 11Jk 2LEE			
	Font: 5x8	Nozzle 2 (2line Englis Nozzle 1 (2line Arabid	_		ABCD 1234 ABCD ISTE				
Multi-line printing (4line, 8line)	Font: 5x7	Nozzle 2 (4line) Nozzle 1 (4line)	HITA MADE TEL:	OF THE PERSON NAMED IN	AUG 8 JRED B OS FEB O417 (HDUST) JAPAH 4345-6		i 11=0 2020 Cauter	spetar	systems
	Font: 5x7 12x16	Nozzle 2 Nozzle 1	ABCE BEST) "-84	 	 3(FEB)	/// 2019		17HO4 28HO2
Dot mixture	Font: 5x7 12x16	Nozzle 2 Nozzle 1	_		DKYO EXP ECHNICAL DUSTRIAL)
	40 dots	Nozzle 2 Nozzle 1	C	ϵ	48 dot	Nozzle 2	(j	3)	
Logos *1	64 dots	Nozzle 2 Nozzle 1	F	1	64 dot	Nozzle 2 Nozzle 1		A.	M.

^{*1} In case of printing the logos, please make sure if its image quality is acceptable to the association or the organization.

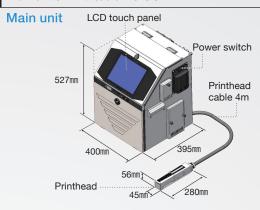


Printing specification	UX-D860W/S
Bold characters	Nozzle 2 5×7 BOLD 2 LINE B
	Nozzle 2 Nozzle 1 Noz
Chimney characters	Nozzle 2
Barcodes	Nozzle 2 Nozzle 2 Nozzle 2 Nozzle 1 0 1 2 3 4 5 6 Nozzle 1 6 11942 03936 4 4400 427 X 107
QR codes	Nozzle 2 Nozzle 1 Nozzle 1 Nozzle 1 Sank i Web Nozzle 1 Sank i Web
Datamatrix	Nozzle 2 Nozzle 1 HITACHI Nozzle 1 Our Web Here Nozzle 1

^{*2} This printing will be made with use of graphics data [dot-pattern] but not with 2D code function, also the graphics data [dot-pattern] should be prepared by the users. Read rate will vary depending on the print condition.



Main unit / Printhead dimension



*Main unit dimensions do not include any projections.

Specification

lka wa		Model			
Item		UX-D860W/S			
Nozzle size		65µm			
Maximum number of print lines		Up to 8 lines			
Maximum number of print	characters	Up to 1,000 characters (Depends on print lines)			
	4 x 5	✓			
	5 x 5	✓			
	5 x 7(8), 9 x 7(8)	✓			
	7 x 10	<u> </u>			
	11 x 11	✓ (Chinese only)			
Font (Horizontal x Vertical)	10 x 12	✓			
(Horizontal X Vertical)	12 x 16	✓			
	18 x 24	<u> </u>			
	24 x 32	√			
	30 x 40	<u> </u>			
	36 x 48	· · · · · · · · · · · · · · · · · · ·			
	48 x 64	✓			
Character height		2 - 21 mm (Depends on print distance, print speed and operating temperature)			
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, Catal Romanian, Finnish, Norwegian, Slovenian			
Maximum print rate		Up to 4,592 (Characters per second) (Font 5x5, space 1, 2 line)			
Standard characters		Alphanumeric (A-Z, a-z, 0-9), symbols (27) and space: Total 90			
User patterns		200 patterns each for dot matrix (50 patterns for 30x40, 36x48, 48x64 fonts)			
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			
		Data Matrix (Alphabet: 49 characters/Numerals: 98 characters), QR code, Micro QR code			
2D code printing					
Message storage capacity		Up to 2,000 messages (Depends on data content) Print target detection, Printing stop, Rotary encoder pulse, Reciprocative printing,			
Input signal		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 (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		0-45°C (1067K lnk)			
Operating temperature range Operating humidity range		30-90% RH (no condensation)			
Power supply (Automatic voltage selection)		AC100-120/220-240V±10% 50/60Hz 150VA			
Approval					
• •		CE, UL, cUL, RCM, FCC, ICES			
Dimensions (Width x Depth X Height)		400 x 395 x 527 mm			
International protection Approximate weight		IP55 (Printhead is excluded)			

- ●For further information, please contact your nearest sales representatives.
- 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 IJ printer.
- Hitachi continually improves products. The right, therefore, is reserved to alter the designs and/or specifications without giving prior notice.
- •Information in this brochure is subject to change without notice.



Registration number: JQA-QMA12087 Registration date: April 1, 2005

Hitachi Industrial Equipment Systems Co., Ltd. (Taga Administrative Division) obtained international standard ISO 9001 certification for the quality assurance of the Ink Jet Printer contained in this brochure.

JQA-QMA12087