



**HITACHI**  
Inspire the Next

**NEW**

Coding & Marking Solutions

# High-Speed

**UX Series**

## Highlights

- / Highly readable information in a small space
- / Pinpoint sharp codes and exact texts even with highest production speed
- / 30% faster, max. speed 650m/min \*1-line 5x5
- / Meter Marking function

## For over 40 years, Hitachi has developed and produced high-performance inkjet printers based on the well-proven Continuous Inkjet (CIJ) principle for industrial marking.

Demands of modern operation is changing continuously. More information is required on consumer packaging and you need to be sure that your printing (coding) equipment can keep pace, even if reduced space is allotted for the code.

Our new High Speed printer is the ideal solution for high speed applications like for cable production, automotive or beverage industry.

### When space matters

At printing speed up to 650m/min our new printer can produce tiny and easily legible prints on the smallest surfaces (*even if reduced space is allotted for the code*). Codes remain easy-to-read even if the height is short (1-4 mm) — among others this is a key issue in cable production.

### Excellent adhesion of white pigmented ink

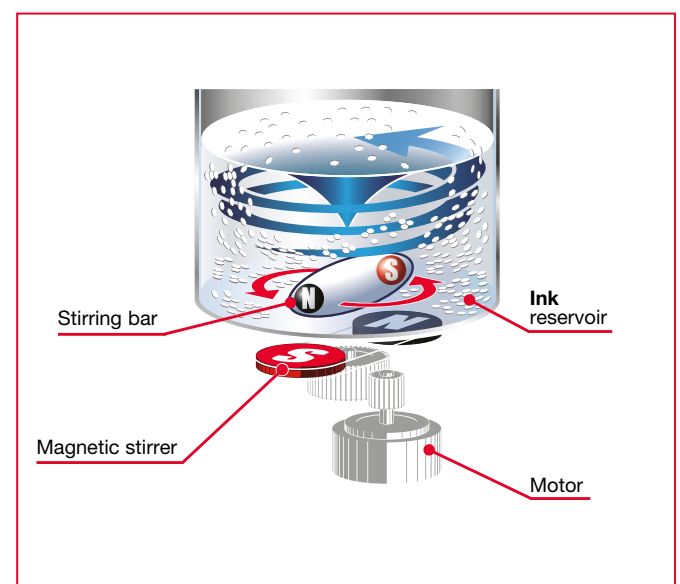
Printing on dark surfaces can be a challenge. Hitachi developed a white pigmented ink with an excellent adhesion and clearly readable prints on any dark surfaces.

### Meter marking function

New meter marking function, ideal for the cable industry. Supports optional function to detect and restart printing correctly when rotating forward.

### Airless stirring function

Most pigmented inkjet systems require air to prevent settling and agglomeration, but the UX-H inkjet printer relies on a simple, yet highly effective Magitate system. This system reduces filter and nozzle clogging and eliminates the need for costly modification to your compressed air system.



Electric stirrer

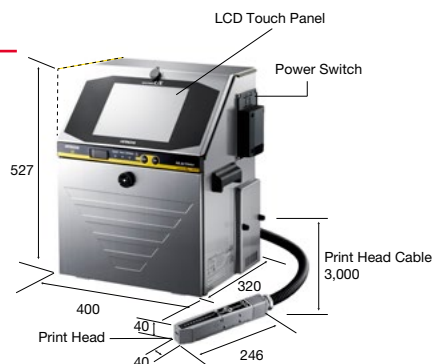
## Applications



# Standard Specifications

Item		UX-H140W/S
Nozzle Size		48μm
Maximum number of print lines		Up to 2 lines
Maximum number of print characters		Up to 1,000 characters (Depends on print line number)
Font (Horizontal x Vertical) Only 1 line of 5x5, 5x7 are available with new print control mode.	4 x 5	✓ (Up to 2 lines)
	5 x 3 (Chimney characters)	✓ (Up to 2 lines)
	5 x 5	✓ (Up to 2 lines)
	5 x 7, 5 x 8	✓ (Up to 2 lines)
	7 x 10	✓ (1 line)
	11 x 11	✓ (1 line - Chinese only)
	10 x 12	✓ (1 line)
	12 x 16	✓ (1 line)
Character height		Approx. 1-4mm (Print distance: 5mm. The maximum character height varies depending on print distance, print speed, temperature, etc.)
Display & input device		WYSIWYG design, Display: TFT LCD (10.4" color), Input device: Touch panel
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 (Character per second)		4,166 characters per second (Font 5x5, character space 1, 1 line, 10 characters/inch)
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, Micro QR code (Barcode and 2D code printing are not available with new print control mode)
Message storage capacity		Up to 2,000 messages (Depends on data content)
Input signal		Print target detection, Printing stop, Rotary encoder pulse, Reciprocal printing, Remote control
Output signal		Print in progress or Print complete, Online, Print ready, Fault, Warning
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
Print head cable length / angle		3m (in-line/90 degrees)
Operating temperature range		0-40° (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, RCM, FCC, ICES
Dimensions (Width x Depth x Height)		400 x 320 x 527 mm
International protection		IP65 (Not include print head)
Approximate weight		27kg

## Dimensions



## Print Samples

UX-H140 W/S			
5x5	1 LINE	0123456789ABCDEFGHI	2 LINE
			012345678 ABCDEFGHI
5x7	1 LINE	0123456789ABCD	2 LINE
			012345678 ABCDEFGHI
7x10	1 LINE	012345	



UX-H140 W/S			
12x6	1 LINE	0123456789	
Micro QR Code		ドット混在 01234567 ABCDEFGHI IJP2019.8	
Chinese & Japanese		株式会社 日立産機システム	





## Registered Office

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