

NEW

Coding & Marking Solutions

High-Speed

UX Series

Highlights

- ✓ Excellent legibility on small diameter wires and cables
- ✓ Precise, sharp codes even with high production speed
- ✓ Extreme speed, capable of max speed 470m/min *1-line 5x5
- ✓ Intuitive, meter marking capability

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 production facilities are constantly changing. More information is required to be printed, on a smaller space, at higher rates of speed. In addition, in these growing challenges, manufacturers must ensure that their coding equipment is equipped to provide increased uptime, even if the throughput is higher. Our new High-Speed printer is the ideal solution for applications like wire and cable, automotive parts, and high-speed beverage production. Our unique circulation system and printhead design allows manufacturers to keep pace, all while maintaining the superior reliability that Hitachi is renowned for.

When space matters

At printing speed up to 470m/min our new printer can produce small and legible prints, 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 has a series of white and colored pigmented inks with excellent adhesion and drying times on dark substrates.

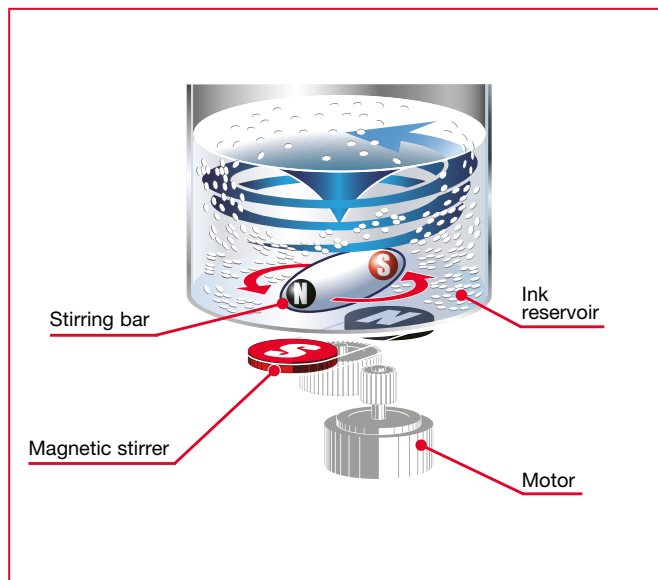
Meter marking function

A new meter marking function, ideal for the cable industry supports the ability to print a numerical value for each meter of material that passes by the printhead. In addition to the meter count, a secondary print count can be used in tandem, suiting the challenging needs of wire and cable manufacturers.

Applications

Airless stirring function

Traditional pigmented inkjet systems require pressurized air to be connected in order 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 while eliminating the need for compressed, thus reducing the cost of operation.



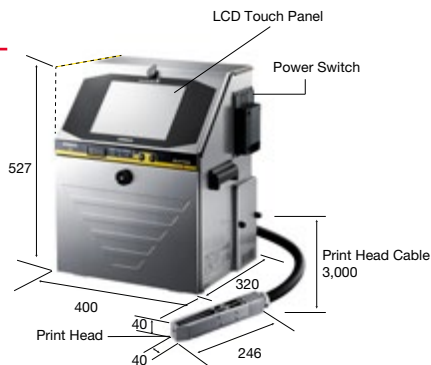
Electric stirrer



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, Japanese, Chinese (simplified, traditional), Thai, Vietnamese, Arabic, Korean, Italian, Spanish, Polish, others (consult)
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
5x7	1 LINE	0123456789ABCD	2 LINE
7x10	1 LINE	012345	

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



Print Speed 140m/min



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