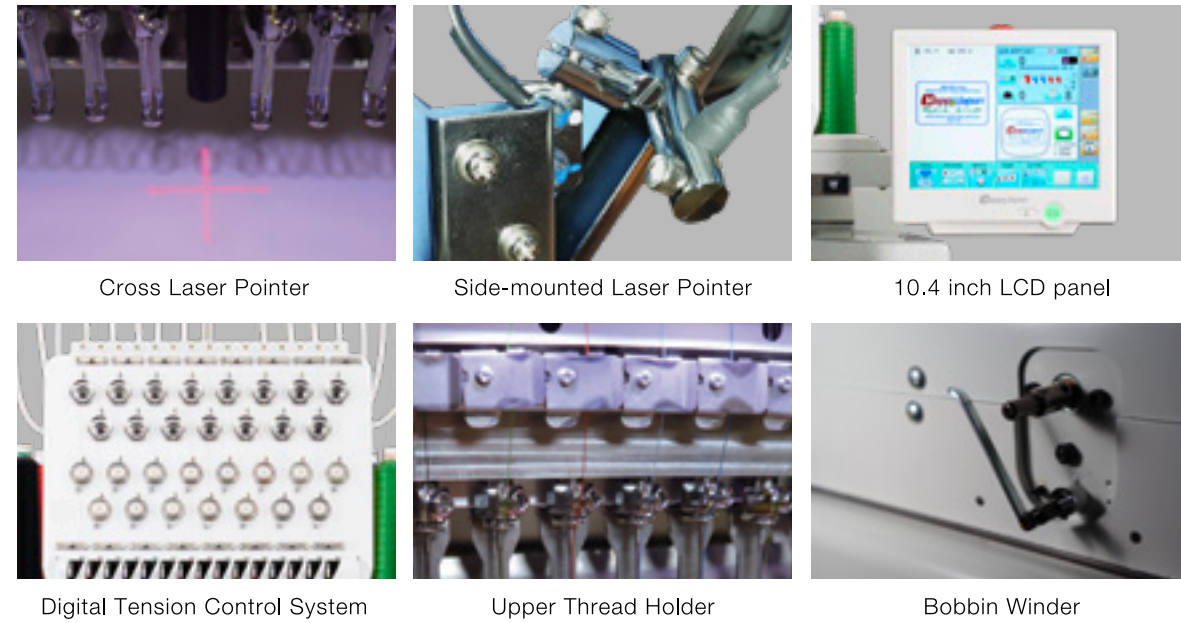


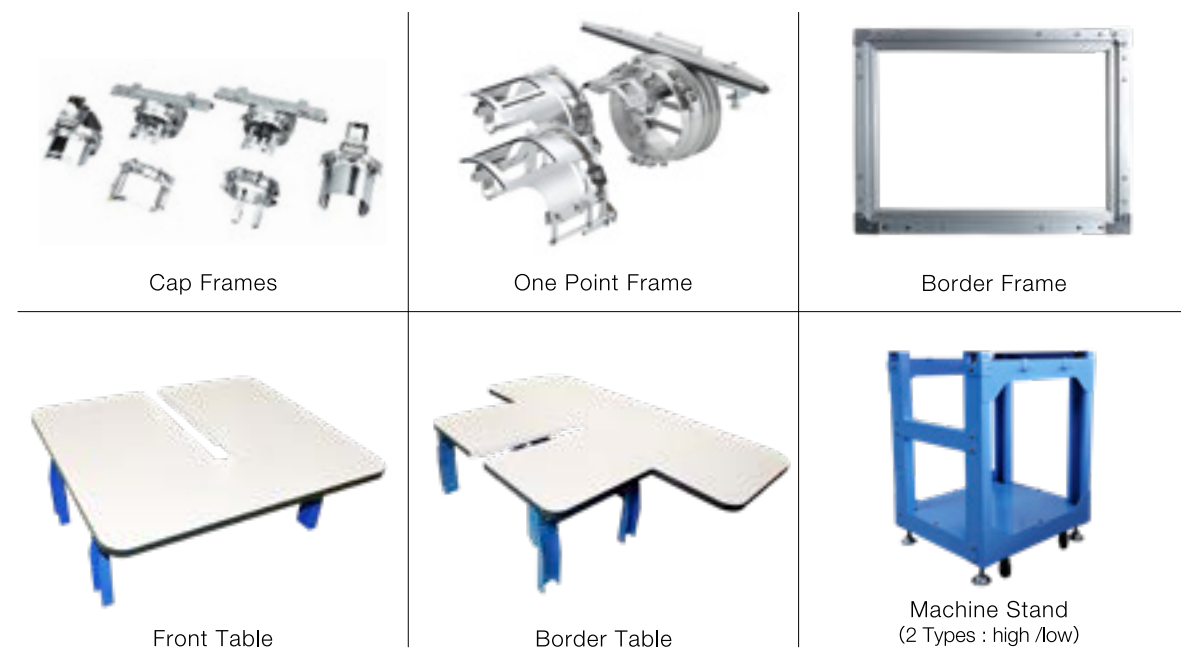
### STANDARD ACCESSORIES



### FACTORY OPTIONS



### OPTIONAL ACCESSORIES



And more options available

### HCU2-1501-40



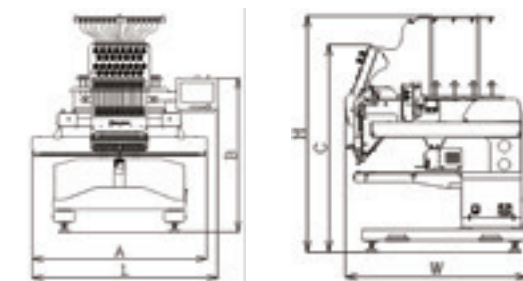
### HCU2-X1501-40



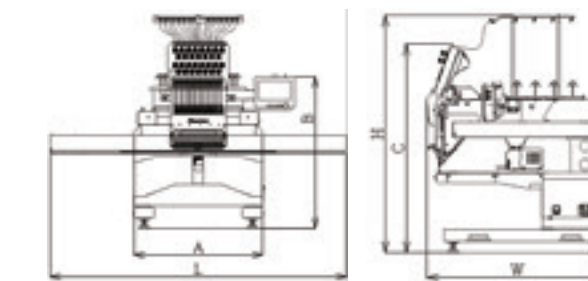
Model	HCU2-1501-40	HCU2-X1501-40
Head	1	
Needles	15	
Embroidery Area (Length x Width)	Max	400x600 mm / 16x24 inch
	Wide Cap Frame	80x360 mm / 3.2x14.4 inch
	Low Profile Cap Frame	70x180 mm / 2.8x7.2 inch
Max Speed (rpm)	1,500	1,200
Stitch Length	0.1-12.7 mm	
Memory	100,000,000 stitches 3,000 designs	
Power Supply	Single phase 100-120 200-240V	
Power Consumption	200 W	
Frequency	50/60 Hz	
Dimensions	Weight	99kg 218lbs
	L (Length)	874 mm / 35 inch
	W(Width)	781 mm / 31 inch
	H(Height)	1,023 mm / 41 inch
	A	822 mm / 25 inch
	B	726 mm / 29 inch
C	899 mm / 36 inch	

※ In case equipped with cross laser pointer as option, model names would be "HCU2-1401-40" and "HCU2-X1401-40"

### HCU2-1501-40



### HCU2-X1501-40



HappyJapan

INDUSTRIAL SINGLE HEAD  
EMBROIDERY MACHINE

# HCU2

SERIES

MADE IN JAPAN

PRODUCTIVITY

Approx.  
**36% UP**

High speed &  
direct moving head  
technology

※ Compared to our company's products

AMAZING  
EMBROIDERY  
QUALITY

Automatic material thickness  
detection system &  
digital tension control system

※ Digital tension control system is factory option.

HappyJapan

HappyJapan Inc.

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E-mail : emb-info@happyjpn.com URL : https://www.happyjpn.com

★The colors of the products in this catalogue may slightly differ from the actual products due to printing.  
Product specifications are subject to change without notice.  
2022.11 | Vol.1

# HIGH SPEED, HIGH QUALITY AND HIGH PERFORMANCE HAPPYJAPAN'S FLAGSHIP INDUSTRIAL SINGLE HEAD EMBROIDERY MACHINE

※10.4 inch panel and machine stand as option.



## PRODUCTIVITY IMPROVEMENT

### Max embroidery speed 1,500rpm

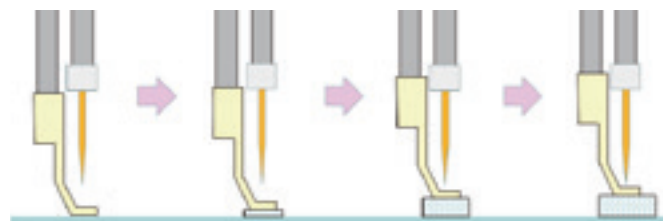
Reducing approx. 25% working hours and improving 36% productivity. Improve work efficiency.

### Direct moving head

Smooth X-axis movement of the moving head which enables the needle bar switching at double speed.

### Automatic material thickness detection system/digital pressure foot height control system

The machine automatically sets the pressure foot height, the pressure foot height can be digitally saved, and this provides stable embroidery availability for any operator.

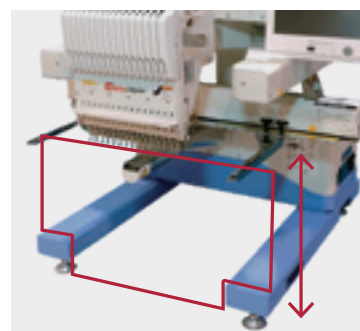


### Improve threading

Reducing two threading steps which helps improve workability, in addition, new pressure foot has vertical hole in the back, making threading easier and improves work efficiency.

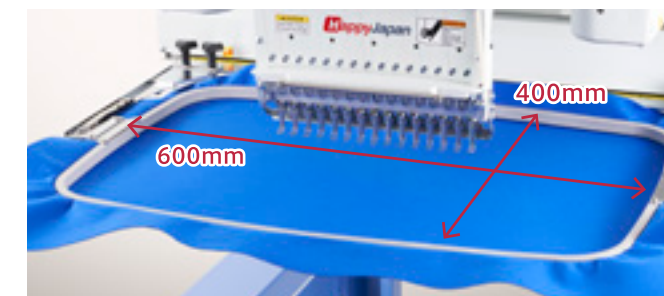
### Large working space

Arm position is higher than current models, expanded work space enable embroidery on large bags, etc.



### Max embroidery field 400mm x 600mm

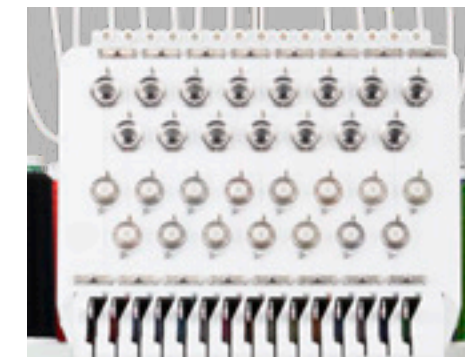
One of the largest embroidery ranges among standard single-head embroidery machines.



### Digital tension control system

※Option

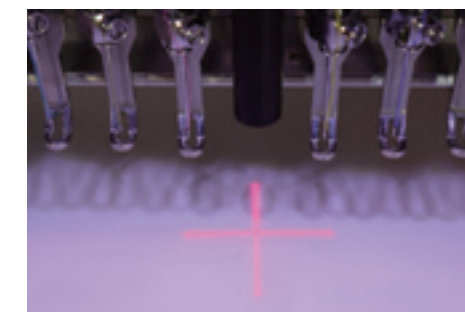
Upper thread tension setting can be digitally saved, and it helps providing stable embroidery availability for any operator.



### Cross laser pointer

※Option

Cross laser pointer placed at center position, its vertical pointer is not affected by the thickness of fabric. Cross laser enables high visibility and center position of cross laser makes shifting time shorten.



## EMBROIDERY QUALITY IMPROVEMENT

### Independent driven pressure foot and automatic material thickness detection system

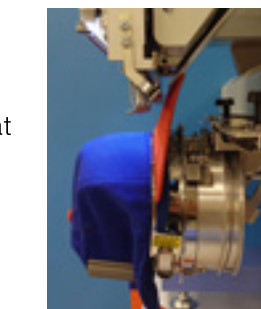
Pulse motor for pressure foot enables independent motion, pressing fabric firmly and improving embroidery quality.

### Higher position of pressure foot

The height of the pressure foot has been increased by 15% which is higher than current models making easy embroidery on bulky fabrics. The position of standby needle is higher than operating needle, making it easier to recognise which needle is moving.

### Reducing interference with flat brim cap

The shape of thread catcher part has been upgraded. This produces easier embroidering on flat brim cap.



### Shortens remaining thread

Remaining thread length on the back of fabric has been shortened by 35%.

## OTHER IMPROVEMENTS

### Smaller cylinder arm without keeper

New cylinder arm is much smaller than the current models. This enables embroidery on thinner tube such as shirt sleeve or pocket and thread change smoothly with cylinder arm which has no keeper.



### Knobs for frame mounting

Enhance efficiency of initial set-up without tools.



### In-house casting structure and visibility arm

High rigidity structure by in-house casting. New arm structure has good visibility.

### Eliminate take-up lever guide bar

The new mechanism without take-up lever guide bar allows easy access to thread stand from front of the embroidery machine.

### Silent design

Silent and low vibration even at high speed operation. Pulse motor control makes even jump operation very quiet.

### HAPPYLAN/LINK and HAPPYBELL

Standard software HAPPYLAN/LINK enables network to control multiple machines with PC. Using HAPPYBELL, operators are able to check on the embroidery status with your smart device.