

Auto Shirt Pocket-Top Hemmer
(with Heat Presser, Manual Loading Type)

Model U-4010-E

Full-Auto Shirt Pocket-Top Hemmer
(with Heat Presser, Automatic Loading Type)

Model U-4010-E/AUT

T.B.D. (Thread Breakage Detector)



T.B.D. detects thread breakage and stops the machine immediately to minimize the loss of materials.

★ Sliding Plate
(One-touch exchangeable)
The price of U-4010 includes the cost of one custom sliding plate. All sliding plates are custom-made based on the customer's double-fold hem width specification.



★ Spare Stacker Case



Optional Accessories



<http://www.yuhomac.com>



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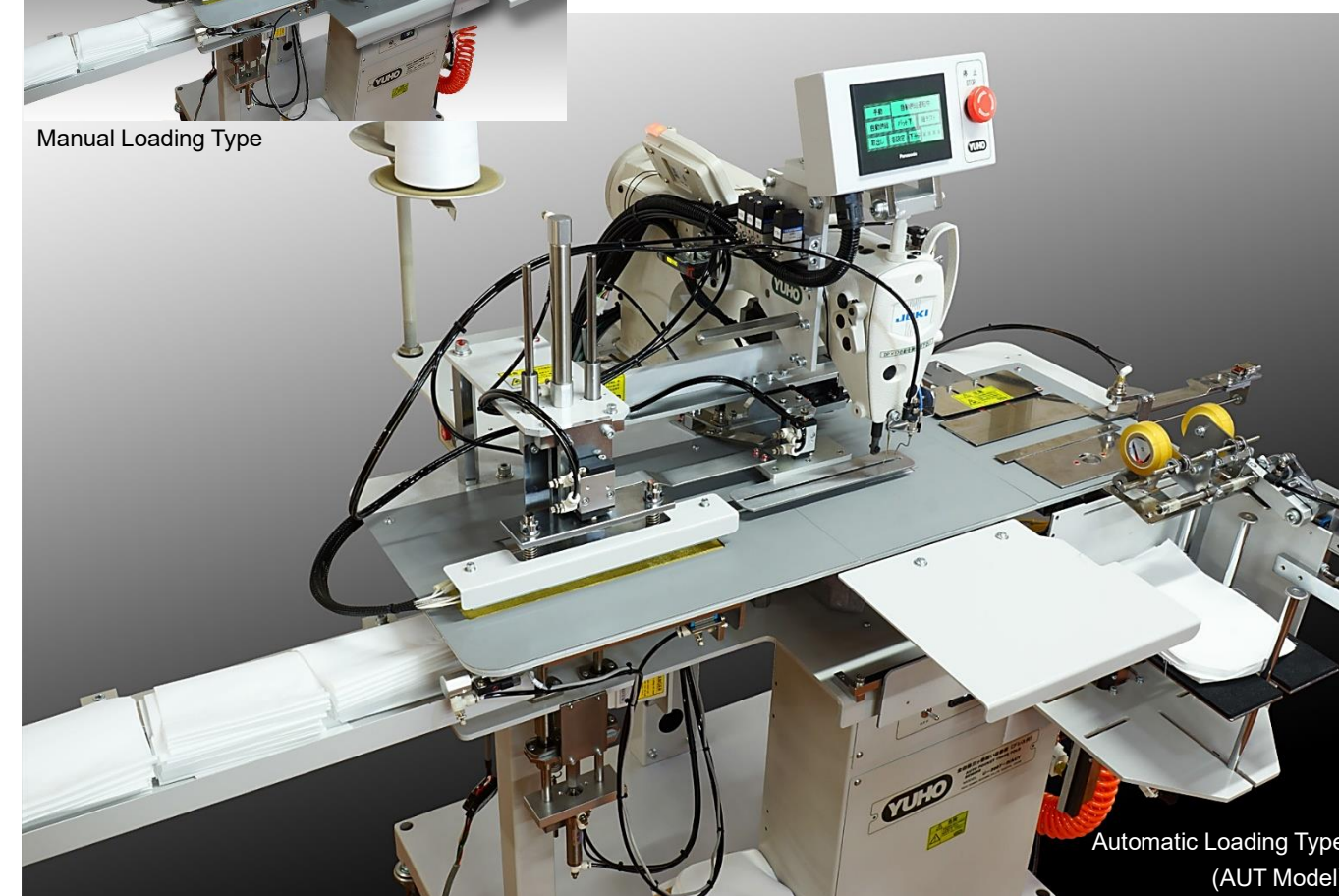
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Manual Loading Type



Automatic Loading Type
(AUT Model)



Bundled Software "FP Data7"

Connecting a PC with this software installed and YUHO automatic sewing machines by a USB cable enable users to report the current status of user's YUHO machine quickly and precisely. This procedure makes YUHO easier to provide quick and appropriate customer support remotely.

Specifications

★ Sewing Head	JUKI DDL-9000B
	(Direct Drive, High-Speed, 1-Needle, Lock Stitch)
★ Needle Stroke	35 mm
★ Sewing Speed	Max. 4,000 rpm
★ Needle	DP x 17 # 11
★ Thread	# 80 ~ # 90
★ Effective Sewing Stroke	180 mm
★ Width of the Hem	8 mm ~ 30 mm
★ Max. Loading Height (AUT model)	180 mm
★ Right – Left Transport Stroke	285 mm
★ Presser Pat Up/Down Stroke	10 mm
★ Table Height	930 mm
★ Power Consumption	200 V / AC 650 VA
★ Air Consumption	0.5 MPa 10 ℓ / min
★ Dimensions	W 1,100 x D 850 x H 1,300 mm

Configurations

- ★ Heat Presser (with Temp. Adjuster and Timer)
- ★ Automatic Material Loading System (AUT model)
- ★ Manual Loading Tray
- ★ Bobbin Thread Counter
- ★ LCD Touchscreen
- ★ Stacker
- ★ T.B.D. (Thread Breakage Detector)
- ★ Air Duster Gun
- ★ FP Data7 Software (Bundled CD)
- ★ USB Type A — mini B Cable

In the interests of product improvement, appearance and/or specifications are subject to change without prior notice.

Heat Presser Specifications

★ Up/Down Stroke	15 mm
★ Iron Heater Element Size	50 mm x 250 mm

Daily Output

1 cycle: 8 sec.
2,880 seams / 8h (w/ 20% allowance)



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Crewless solution of pocket-top hemming

Realizing fully automated, and even CREWLESS shirt's pocket hemming. It supports various pocket-top hem specifications such as elastic and biased fabrics, full-double-fold hem (difficult to realize with binder/hemmer tool), and single-fold hem. Right after the stitching, heat pressing and stacking is performed on the material automatically.

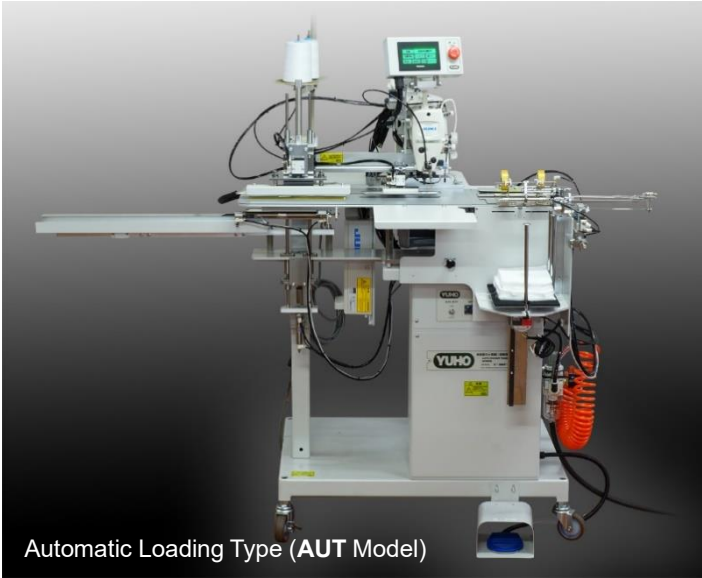
YUHO SEWING MACHINE





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Automatic Loading Type (AUT Model)

Automation of pocket-top hemming



U-4010-E performs the following procedures as an automatic sequence: **1)** Double-Folding, **2)** Stitching, **3)** Heat Pressing, **4)** Stacking: as soon as the operator places the pocket piece along the guide ruler.*1 No worry about twisting of pocket hem due to the biased fabric for angled pocket opening, and its perfect double-fold hemming mechanism even allows aligning vertical stripe consistently. Unlike the conventional binder/hemmer tool, the double-fold hemming mechanism enables operators to instantly change the hem width.

*1: Manual Loading Type. Automatic Loading Type (AUT model) takes care of the following procedures automatically: 1) Picking the pocket piece one by one 2) Positioning. 3) Double-Folding, 4) Stitching, 5) Heat Pressing, 6) Stacking.

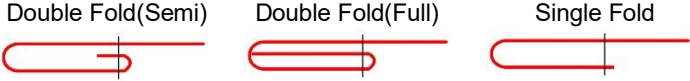
Quickly adjustable pocket hem width

Automatically or manually loaded pocket pieces are accurately and securely folded according to the designated fold width by the sliding plate, temporary presser, front/rear folding plates, and air blow. There is no problem even

with biased fabric, and you can fold it to the correct folding width. The maximum length of the pocket-top hem is 180 mm, the hem width covers the range of 8 mm to 30 mm, and the hem width can be changed instantly.

Exquisite quality of hemming

After the single- or double-fold is made, the material is transported to the needle by the presser pad and stitched. Even if the creases are biased against the fabric or the material is elastic, YUHO's proprietary Bobbin Thread Backtensioner technology enables perfect stitch sewing without twisting regardless of the condition of the material is guaranteed.



Also applicable for straight run stitch up to 180 mm

Recently, the shirt yokes consist of two different materials joined at the center by run-stitch can be seen more and more. U-4010 is also useful for the demands of sewing such biased materials accurately. (Note: Only for the straight run stitch up to 180 mm.)

Automated heat pressing process

After the double-folding and stitching process, the heat pressing is performed automatically. It eliminates the extra individual heat pressing process.



Heat pressing temperature and the duration can be set in detail, optimizing for each material's characteristics.

Tactile operation with LCD Touchscreen

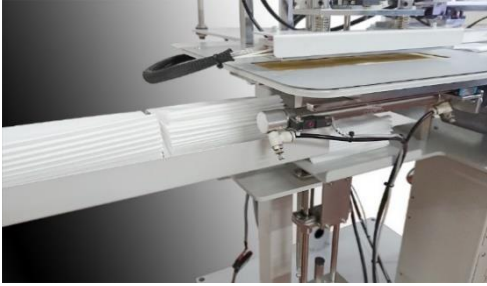
The operator can set or change various functions and parameters of devices instantly just by touching the LCD. With the AUT model, switching between the auto-loading mode and manual-loading mode is with a single touch.



Auto stacking and auto ejection

After the heat press process, the material is stacked neatly and without mistakes by the drop-in stacker device.

The stacked materials are automatically pushed out to the stacker case every 50 pcs. by the eject mechanism, and each stacker case can hold up to 250 pcs.



Supporting horizontal plaid matching and thicker materials

This machine can handle even the pocket hem requires accurate matching of horizontal stripes. Besides, even if the materials are so thick that it is difficult for the machine to fold automatically, all the operator needs are to touch and hold the fabric by hand slightly.



Auto material loading tray

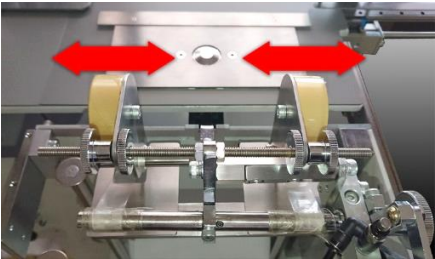
The elevator-type material tray is equipped with a cradle that can flexibly manage various pocket pieces' shapes and sizes. Since the guide rods of the cradle can be freely adjusted in position with one touch based

on the pocket pieces' shapes, it can quickly react to the change of pocket piece. The maximum loading capacity is 180 mm height of the bunch of pocket pieces. Because the AUT model comes with a table for manual loading, auto-loading mode and manual-loading mode can be switched instantly.



The most reliable picking device

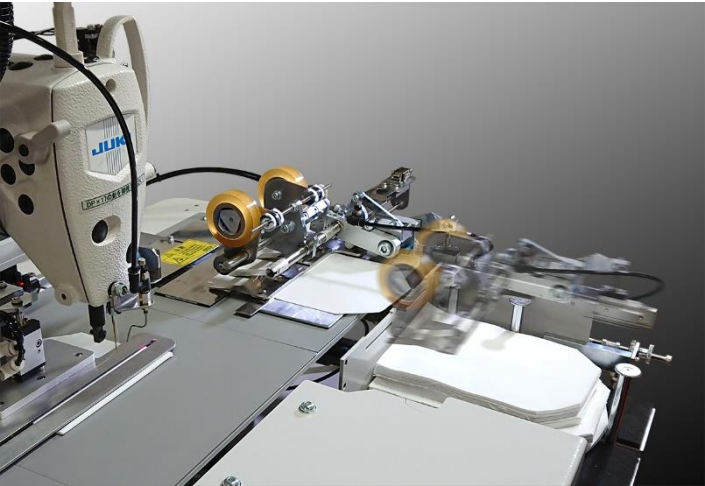
The material pickup /release device equips two of the 15 mm-wide adhesive tapes. It requires 0.2 mm of the tapes' adhesive surface



per material, and a new adhesive surface is automatically fed out continuously to achieve high-reliability material picking-up.

Setup flexibility of the picking device depending on the size of pockets

AUT model



The material pickup/release device supports the pocket piece width from a minimum of 70 mm: such as watch pockets: to a maximum of 180 mm. The distance of those two tapes can be adjusted according to the materials, ensuring reliable pickup operation. The pocket piece's releasing position can be flexibly adjusted to cover the pocket hem width between 8 to 30 mm.

Minimizing losses of materials and idling time

When the auto material loading tray runs out of material (AUT model), or the T.B.D. circuitry detects thread breakage, a red alert screen is displayed on the LCD touchscreen, and the operation is automatically terminated simultaneously. Besides, the bobbin thread counter functionality predicts when the bobbin thread will run out and automatically stops the machine when the counter reaches zero. In this way, this machine automatically terminates operation appropriately according to the situation, minimizing material loss and idle time, reducing the total operating cost.

Meticulously designed for ease of maintenance

The step-running mode is provided to operate a series of continuous automatic actions step by step to learn the operation order and check each device's functionality.

Besides, U-4010 is designed with due consideration for ease of maintenance, such as a mechanical design that allows the sewing head to be easily tilted. With the overwhelmingly small number of failures and the excellent mechanical design that ensures ease of maintenance, YUHO automatic sewing machines are often in operation for more than ten years once introduced into customers' factories.

