

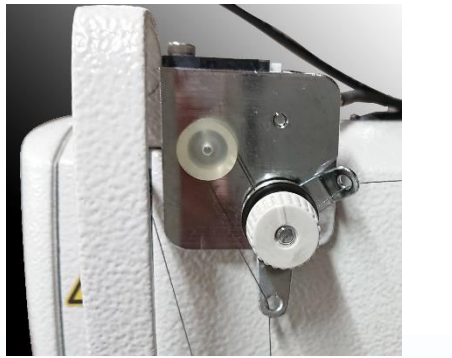
**Inverter for Vacuum Suction**

It allows the operator to adjust the intensity of vacuum suction.



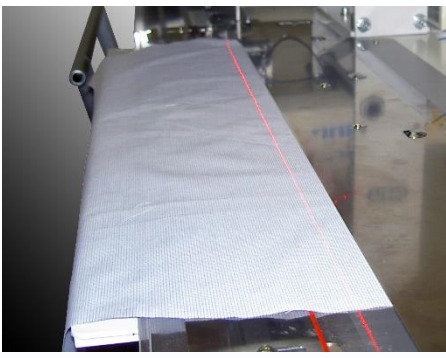
**Thread Breakage Detector (T.B.D.)**

It detects the breakage of needle thread and minimizes the loss of materials.



**Optional Accessory**

Marking Light: It is useful in case plaid matching (vertical stripe) is required.



Specifications	
★ Sewing Head	JUKI DDL-9000B (Direct Drive, High-Speed, 1-Needle, Lock Stitch)
★ Sewing Speed	Max. 5,500 rpm
★ Needle Stroke	35 mm
★ Needle	DP x 5 (134) #9 ~ #14
★ Effective Sewing Stroke	850 mm
★ Transport Stroke (L—R)	1,000 mm
★ Width of the Hem	15 ~ 35 mm
★ Guide Rail Up/Down Stroke	15 mm
★ Table Height	930 mm
★ Power Consumption	200 V / AC 950 VA 200 V / AC 300 VA (Heat Presser only)
★ Air Consumption	0.5 MPa, 30/ min.
★ Dimensions	W 2,100 x D 1,000 x H 1,350 mm

Applications	
★ Under front placket double-fold hemming + heat pressing	
★ Shirt pocket top double-fold hemming + heat pressing	
★ Shirt short sleeve hemming + heat pressing	
★ Three-layered shirt yoke run stitching	

**Related Models:**

**U-4009-E**  
Manual Loading Type,  
without Heat Presser

**U-4009-E/PS**  
Manual Loading Type,  
with Heat Presser

Configurations	
★ Powerful Vacuum Suction (with Inverter)	
★ LCD Touchscreen	
★ Heat Presser (with Temp. Adjuster and Timer)	
★ Automatic Material Loading System	
★ Bobbin Thread Counter	
★ Stacker	
★ T.B.D. (Thread Breakage Detector)	
★ Casters with Brakes	
★ Air Duster Gun	

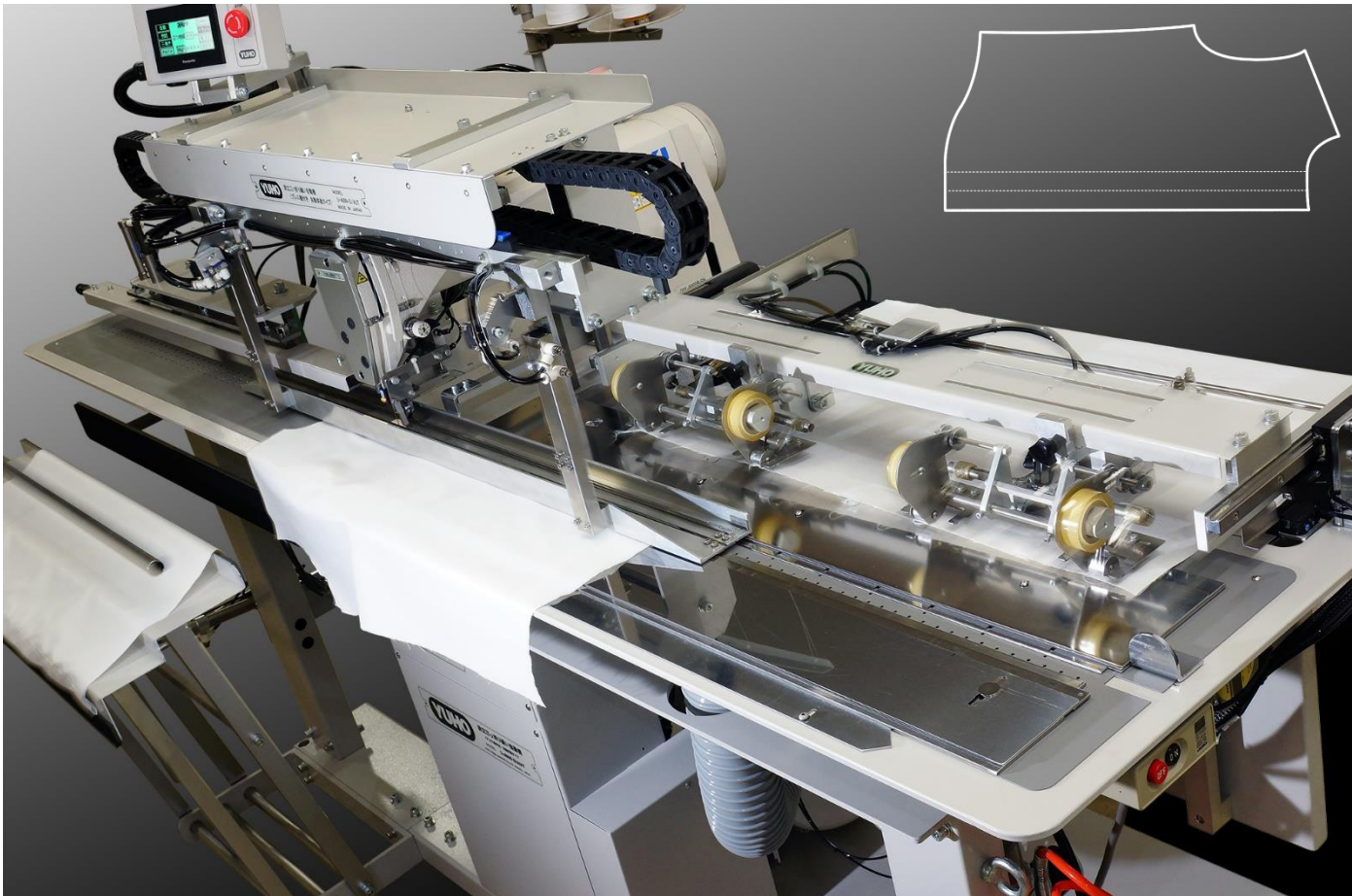
Daily Output	
CT: 18 sec.	1,600 seams / 8h.

**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.

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

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**Crewless Solution for the Double-Fold Hemming of the Shirt Front Placket**

The entire process of the double-fold hemming of dress shirt's under front placket: ①Loading → ②Setting → ③Folding → ④Stitching → ⑤Heat Pressing → ⑥Stacking: is now fully automated and uncrewed.

The highest quality of stitches is guaranteed thanks to YUHO's proprietary Bobbin Thread Backtensioner Technology.





Automatic Shirt Front Creasing Machine  
(with Heat Presser, Automatic Loading Type)  
**Model U-4009-E/AUT**

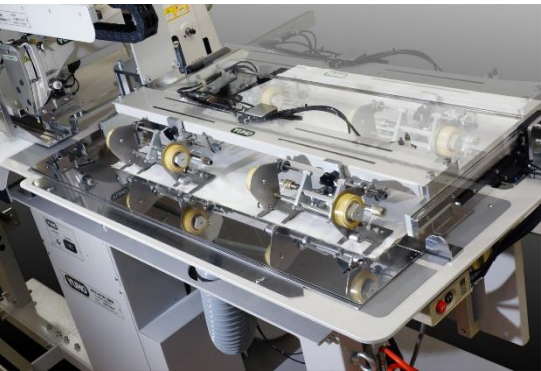


**For the Double-Fold Hemming of the  
Shirt Front Placket**

U-4009-E/AUT covers the whole process of making the shirt's under front placket: ① Picking up the front panel one by one → ② Positioning the front panel in the right place → ③ Double-fold hemming → ④ Stitching → ⑤ Heat pressing → ⑥ Stacking: performing automatically. It can handle the materials with vertical stripes, allowing the double-fold hemming to align the stripes<sup>\*1</sup>. Thanks to its revolutionary double-fold hemming mechanism, instead of the conventional binder/hemmer tool, operators can freely set the placket width.

*Note: Manual operation is required for the stripe alignment process.*

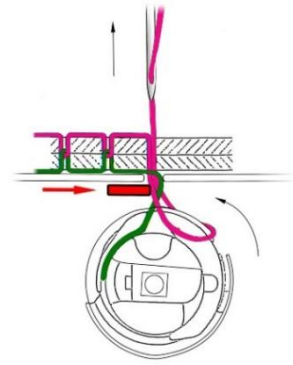
**Auto Loading Unit Enables  
Crewless Operation**



The auto feeder section employs 4 x adhesive tapes to guarantee secure and stable picking of materials one by one. Just 0.2 mm of the adhesive surface is automatically supplied and rolled up whenever it picks each material up. The operator can set the locations of picking up/releasing precisely and instantly by inputting on the touchscreen. Each feeder unit uses 2 x adhesive tapes, and the

positions of 2 x tapes can be adjusted easily within the range of 70~120 mm intervals. Auto loading unit has two sets of feeder units, and the locations of feeder units can be freely adjusted within the range of 25 ~ 500 mm intervals. This system realizes the most reliable feeding, as well as the highly accurate positioning of materials covering a variety of shapes and sizes.

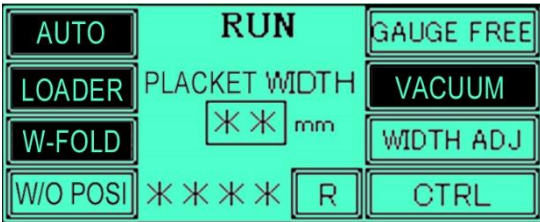
**Exquisite Stitch Quality Ensured by the  
Bobbin Thread Backtensioner Technology**



After the double-fold process, the material is stitched perfectly without puckering thanks to YUHO's proprietary "Bobbin Thread Backtensioner Technology" (patented in Japan).



**Set Placket Width Flexibly**



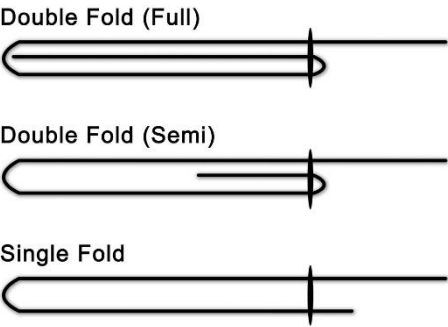
Since the onboard double-fold system automatically sets the specified placket width just by entering the width on the LCD touchscreen, no custom-made gauge replacement is required.

**Intuitive Operation with  
LCD Touchscreen**

Besides the placket width, the operator can set or change various functions and parameters of devices instantly just by touching the LCD. This machine's Intuitive touchscreen system allows hassle-free operation, even for the less-experienced beginner workers.



**From Full Double Fold to Single Fold**



The material is steadily double-folded with lightning-fast actions by the unique folding device while securely staying on the table thanks to the powerful built-in vacuum suction functionality. Then, the guide rail transports the material under the needle while holding it tightly, and the material is immediately stitched.

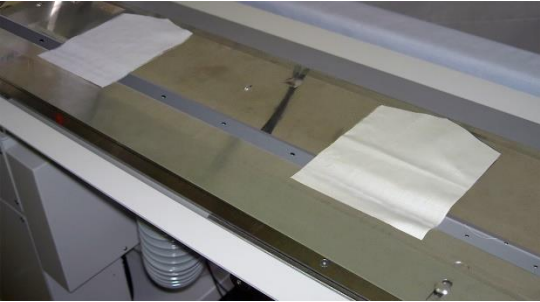
**Auto Loading without Positioning**

If the material has vertical stripes and the alignment with the stripes and the folding lines is required, "Auto" / "Manual" mixed operation is ideal. In that case, the auto feeder picks the material up one by one, and it releases the material near the double-fold mechanism so that the machine allows the operator to carefully position the material manually, referring to the marking light (optional). This operation mode can be activated instantly just by pressing the button on the touchscreen.

**Material Tray with Lift Keeps  
Same Height**

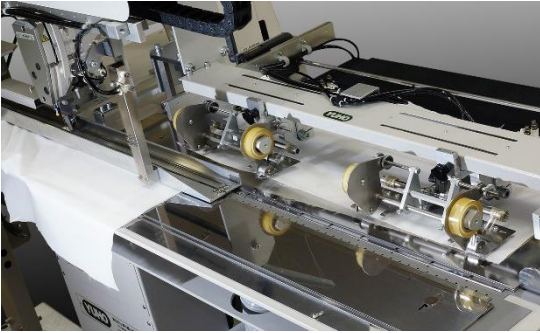


The lift-type tray of the auto-loading unit supports the materials with a maximum size of 750 mm(W) x 300 mm(D), and the loadable amount of content up to a height of 180 mm. The lift always detects the height of the stack, and automatically lift it so that the top of the material always keeps the same height. The auto loading unit automatically stops operation when the tray is empty.

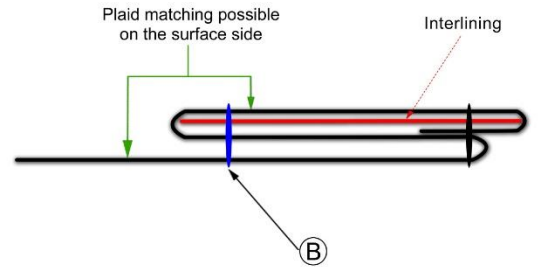


In addition to the shirt's front placket, U-4009 is also useful for the hemming of small items such as short sleeves and shirt's pockets. By piling up the materials side by side in two rows on the tray, two sets of auto feeder units pick up and release two pieces of material simultaneously, then the remaining processes: double-fold hemming → stitching → heat pressing: are also made with two pieces simultaneously.

During the stitching process of the previous material, the auto feeder units pick up and transport the next material, and standby near the double-fold mechanism. It allows the new material to be placed at the double-fold mechanism as soon as the previous material and guide rail is gone and the double-fold mechanism is free. This design concept guarantees the most efficient overlapping workflow.

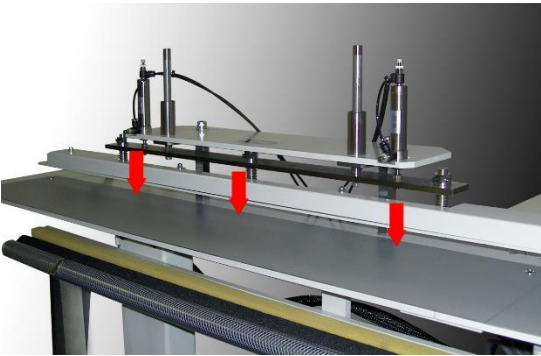


**Also for the Shirt Upper Front Placket**



As long as the front placket is made with a one-piece structure (as shown on the above drawing), the U-4009 is

**Heat Presser with Vacuum Suction**



After the double-fold process, both left and right sides of the front placket are steadily held down by the guide rail and transported under the needle for stitching, then transported again under to the heat pressing area. The guide rail releases the material while the vacuum suction keeps the material right under the heat pressing element, and it goes down and presses the material.



Heat pressing temperature, as well as the duration, can be set in detail individually.

**Crewless Operation Completed with  
the Stacker**

After the heat pressing process, the materials are automatically piled up by the stacker device, and the crewless production process of the double-fold hemming of the shirt front placket, from the beginning (loading) to the end (stacking) is completed.

*Note: Stacker is not effective in case of handling small items such as short sleeves and shirt pockets.*

