

T.B.D. (Thread Breakage Detector)

T.B.D. circuitry perfectly detects thread breakage and stops the machine immediately, in order to avoid loss of materials.



Configurations

- ★ LCD Touch Panel
- ★ XY Stepping Motor System
- ★ Pattern Data Input Tool
- ★ Keeper (2 sets)
- ★ 200 W Powerful Vacuum (with Inverter)
- ★ Stacker
- ★ T.B.D. (Thread Breakage Detector)
- ★ Air Duster Gun

Specifications

- ★ Sewing Head JUKI DDL-9000B-SH
- ★ Needle DP x 17 #14
- ★ Effective Sewing Stroke 860 mm
(the distance of jump feed from needle: 150 mm)
- ★ Rail Up/Down Stroke 10 mm
- ★ Table Height (mm) 900 mm
- ★ Needle Stroke 35 mm
- ★ # of Points per each Pattern Guide 14 Points
- ★ # of Storable Guide Patterns 10 Patterns
- ★ Power Consumption 200 V / AC 950 VA
- ★ Air Consumption 0.5 MPa 10 nl / min
- ★ Dimensions (mm) W 2,340 x D 940 x H 1,300 mm

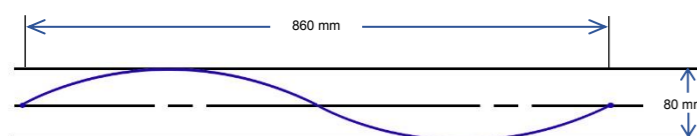
In the interests of product improvement, appearance and/or specifications are subject to change without prior notice.

* Sewing Style Variations

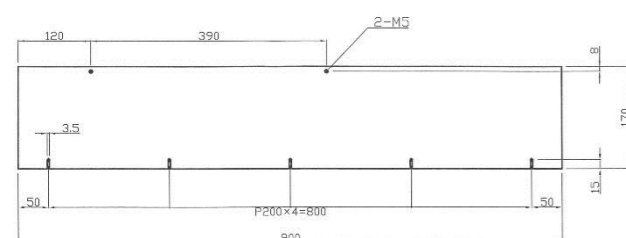


* Effective Stroke

W: 860 mm, D: 80 mm
(the distance of jump feed from needle is 150 mm)



* Format of the Blank Acrylic Panel



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Unparalleled, Next Generation Short Seamer

YUHO has developed two product lines of Short Seamer machines: the **Pattern-Guide type** and the **Pattern-Guideless NC type**. YUHO has been offering both product lines to meet each customer's requirements.

The brand-new **U-3707-E/900** combines the stable seam results of the Pattern-Guide type with the flexibility and low-running costs of NC type at higher level.

The **U-3707-E/900** is truly a breakthrough in overcoming technical bottlenecks.



Preliminary



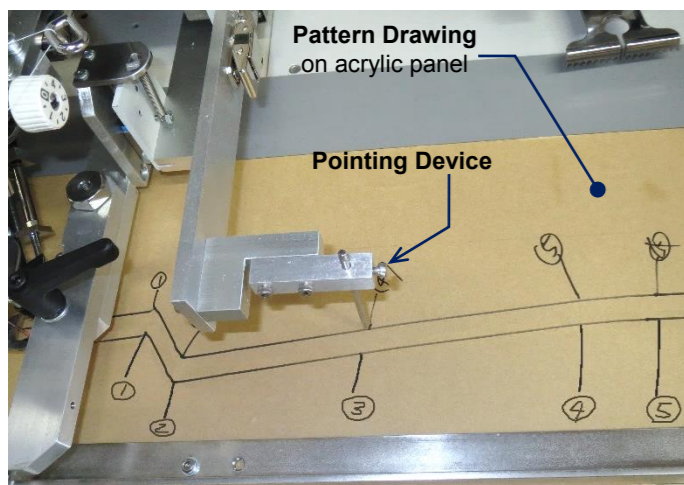
**NEW NC Short Seamer
with Pattern Guide Maker
Model U-3707-E/900**



Newly Developed Pattern Data Input Tool

The brand-new U-3707-E/900 allows end-users to manage the entire production process of extra pattern guides (Guide-Rail Pat and Guide Ruler, made of acrylic panel) including pattern data input and cutting by themselves with easy operations, with minimum cost and lead time.

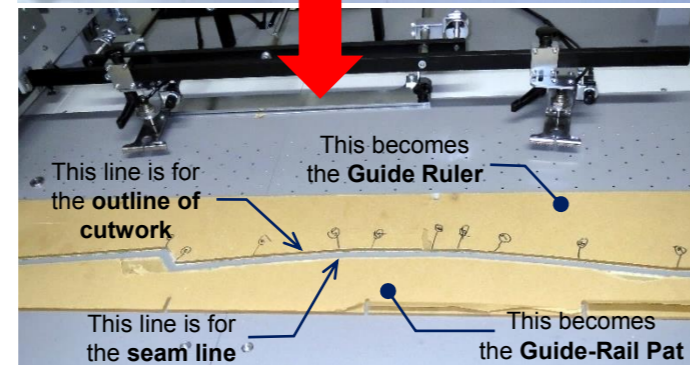
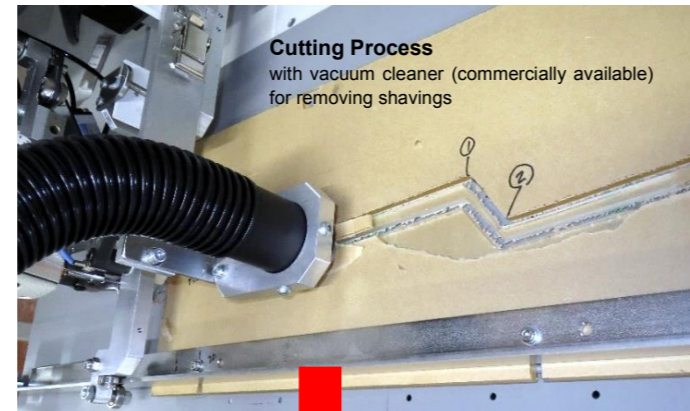
Pattern data, namely the shapes of ①Guide-Rail Pat (= seam line) and ②Guide Ruler (= outline of the cutwork) can be programmed with easy data input method on the U-3707. Users can lay the pattern drawing on the acrylic panel, trace the lines using a special pointing device, marking the points (max. 14 points per line) following the LCD touch panel. Data editing/adjustment (point by point) procedure is also easy.



Such custom-made Guide-Rail Pat securely holds the material while feeding, avoiding deviation or twist of fabric, and guarantees perfect seam lines.

Since cutting and feeding actions are conducted by the computer-controlled XY stepping motor system, the U-3707 can handle complicated seam patterns which simple guide-rail feeding system cannot manage.

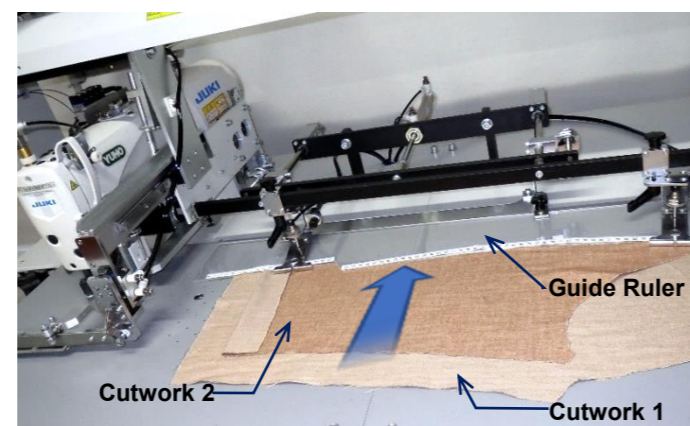
Acrylic Cutter for Making Guide-Rail Pat and Guide Ruler



With 1 x acrylic panel (max. 900 mm x 170 mm, 4 mm thickness), users can make both Guide-Rail Pat and Guide Ruler at once, using the acryl cutter functionality equipped with the U-3707.

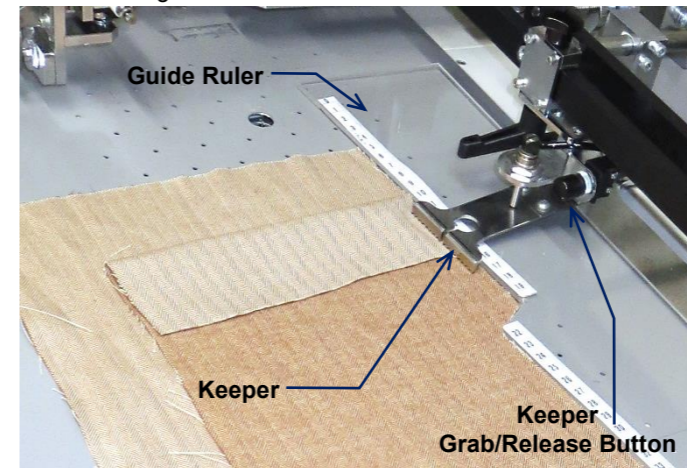
Keepers Hold Fabrics Like Your Hands

The procedure of loading fabrics is very simple. Just put the cutworks on the table, aligning the edges with the Guide Ruler.

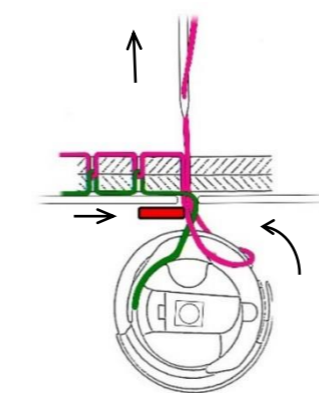


Supplied 2 sets of keepers (position adjustable: right and left, back and forth) are as useful as your hands. These keepers allow operators to grab and release the fabrics repeatedly.

In addition, vacuum suction functionality is also equipped on the surface of the working table, assisting operators to set multilayered cutworks accurately. The operator can activate/deactivate vacuum suction at any time. These features are quite convenient especially for inserting quality labels or for ease stitching.



No Puckering Even with Very Thin Georgette



YUHO's unique "**Bobbin Thread Backtensioner**" technology (patented in Japan) guarantees no puckering and perfect stitches on the back stitching or omni-directional stitching, regardless of material, thickness or elasticity. Its groundbreaking back-tensioning mechanism can always feed the most appropriate amount of bobbin thread.

Intuitive UI thanks to LCD Touch Panel



Sewing operations, sewing setup, pattern data creation, as well as periodical maintenance and troubleshooting, can all be operated

instantly with your fingertip and LCD touch panel.

The U-3707 has 7 different sewing styles (see outside back cover). In case seam lines are not continuous (from ② to ⑦), operators can measure the length of sewing skip using the Guide-Ruler, and input the length onto the touch panel.

It also displays various information such as accumulate counter,

remaining counter for bobbin thread etc. Red alert screen is displayed in case remaining bobbin thread reaches zero.

Endless Sewing Mode Available

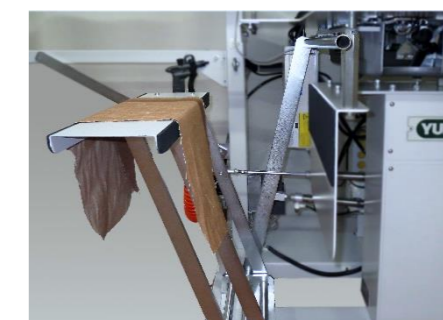
Endless Sewing Mode allows sewing of longer items with straight seam lines such as pants or skirts over 860 mm in length. In Endless Sewing Mode, the machine head stops in the middle of sewing fabrics while the needle is kept stuck in the fabric. The guide-rail comes back to the loading area and the operator is allowed to set the remaining part with the Guide-Rail Pat. The machine continues sewing till the fiber sensor detects the end of fabric. Endless Sewing Mode enables the long seam lines without breaks or gaps.

Thread Clamper is Standby for Trouble-Free Sewing



In order to avoid troubles at the beginning of each seam line, the U-3707 pulls thread using the Thread Clamper. Right after cutting the thread by knife at the end of the previous seam line, the Thread Clamper catches the thread, and releases it as soon as the needle moves. Since this procedure automatically takes place repeatedly at every single seam line, you are completely free from stitching troubles.

Stacker Enables Overlapping Workflow



working efficiency.

After the sewing process is completed, fabrics are automatically picked up and piled up by the Stacker device. It enables overlapping workflow and improves