WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

Model	Cord
PS-800	0
PS-810	1

Specification	Cord
Standard (Light weight materials)	S
Heavy weight materials	H

Feed mechanism	Cord	Applicable Models	
Belt drive	B	PS-800	2850 3830 8045 13085
		PS-810	8045 10045 13085
Screw drive	S	PS-800	12080

Sewing area (X-Y)	Cord
1,300mm×850mm	13085
1,200mm×800mm	12080
1,000mm×450mm	10045
800mm×450mm	8045
380mm×300mm	3830
280mm×500mm	2850

PS-8□0□□□□□□□□K□□

Vacuum device	Cord	Applicable Models			
Vacuum device	V	PS-800	2850 3830 8045	PS-810	8045 10045 13085
Non	␣	PS-800	2850 3830 8045 12080	PS-810	8045 10045 13085

Note: Vacuum units are not available for heavy-duty specifications (PS-800H / PS-810H) .

Model	Cord	Applicable Models			
Rotary Knife	A	PS-800	3830 8045 12080 13085	PS-810	8045 10045 13085
Laser cutter	C	PS-800	8045 12080 13085	PS-810	8045 10045 13085
Non cutter	Z	PS-800	2850 3830 8045 12080 13085	PS-810	8045 10045 13085

Note: PS-800H supports Z only; PS810 supports C and Z

Voltage	Cord
1-phase 200-240V	K

Control box	Cord	Template Recognition Device
Laser cutter / Non cutter	W	Barcode (RFID is available as an option)
Rotary Knife	V	Barcode (RFID is available as an option)

※ RFID Unit Part Number:
#40268616 for sewing area 2850 and 3830
#40228608 for sewing area 8045, 10045, 12080 and 13085

Note: Specifications not listed in the catalog can be accommodated in custom orders.

4220 West 104 Street, Suite 1A, Hialeah, FL 33018
PHONE: (305) 594-0059 FAX: (305) 594-0720
https://www.juki.com

- Specifications and appearance may be changed without notice for improvement purposes.
- To ensure safe use, be sure to read the instruction manual before use.
- QR code is a registered trademark of DENSO WAVE INCORPORATED.

MS CM001
ISO14001 JSAE389
EMS

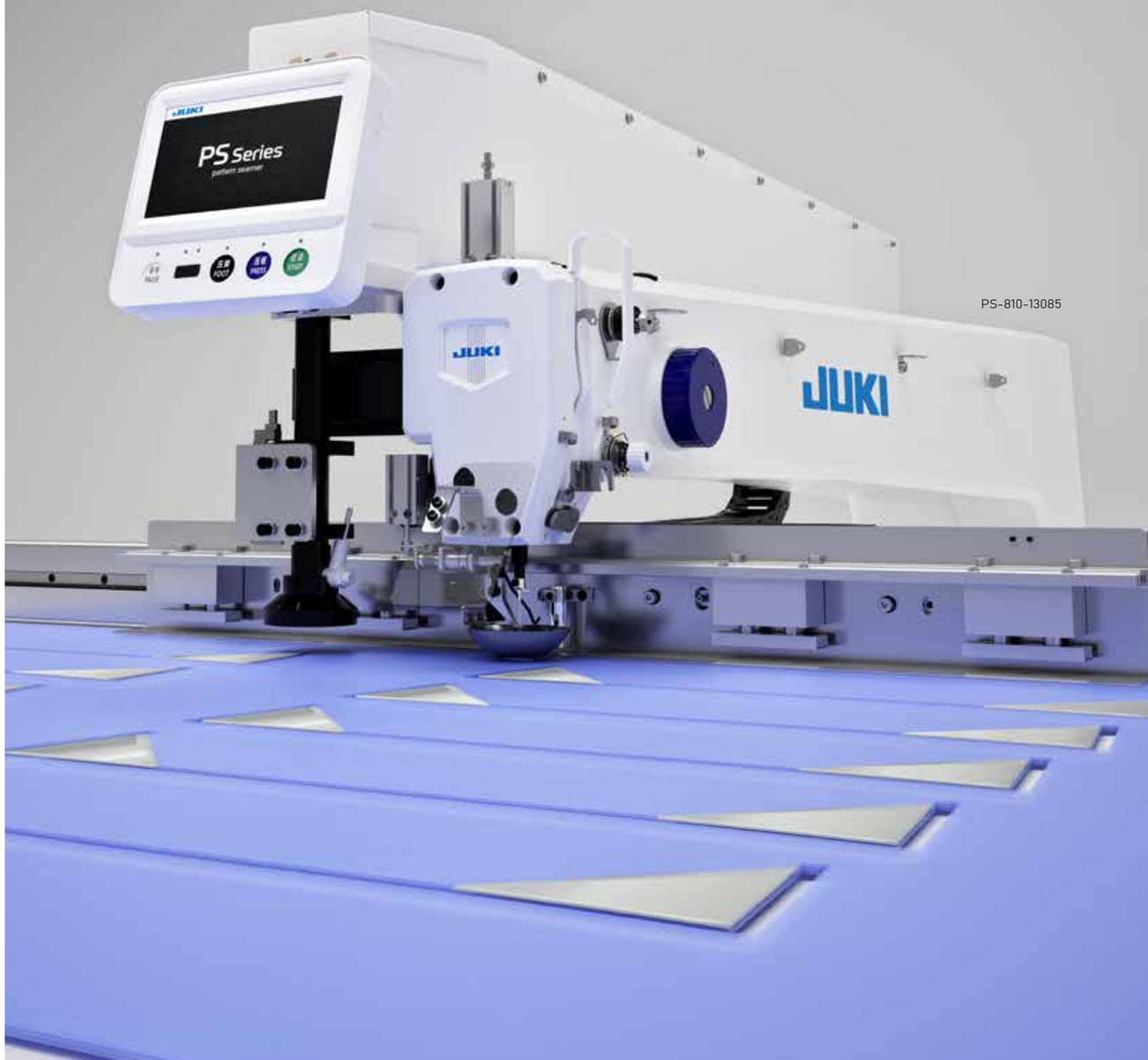
Registered Organization: JUKI CORPORATION Head Office
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

The information in this catalog is current as of January 2026. (Rev01) (JC)

Pattern Seamer

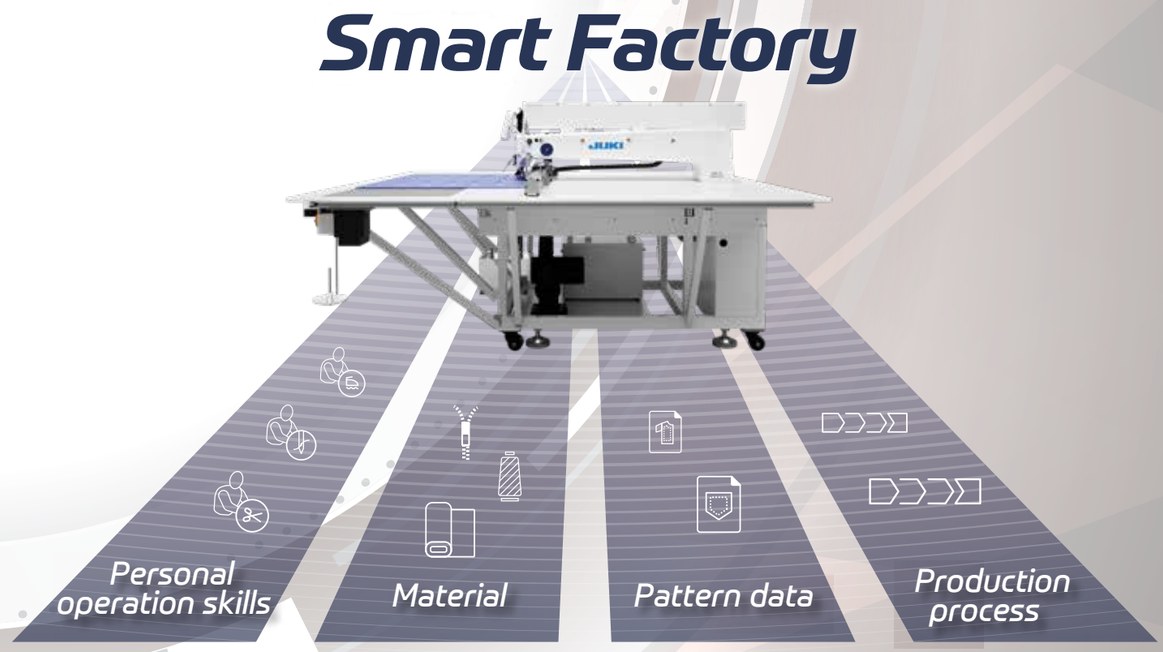
PS-800 Series
Automatic Template Sewing Machine

PS-810 Series
Automatic Template Sewing Machine



PS-810-13085

Template sewing immediately transforms beginners into skilled operators and passes on sewing expertise into the future.

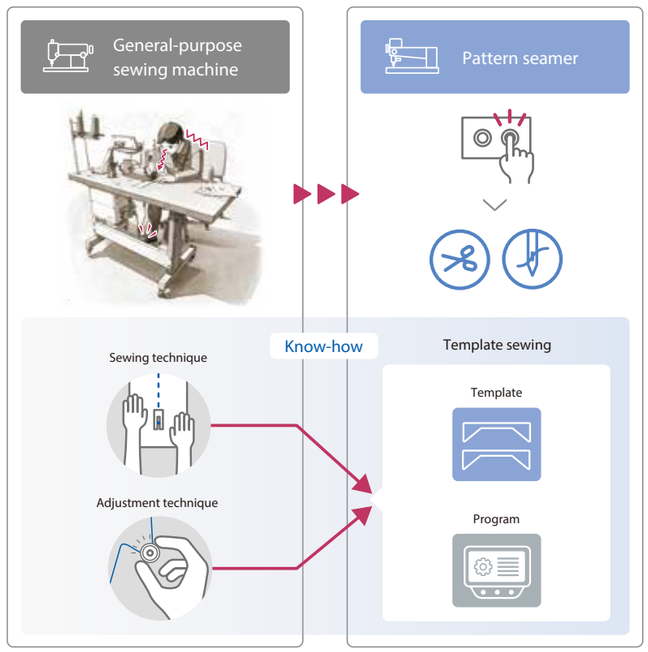


"Passing on skills that promise stable quality"

Human resource challenges such as declining operator skills and the retention of younger workers are becoming more severe every year. Many factories find it difficult to pass down expertise and maintain stable quality as a result.
The JUKI Pattern Seamer provides the technologies to fundamentally solve these issues and guide factories toward sustainable management.

Building a production line where every operator becomes productive and begins contributing at once. The key is "Template sewing."

Template sewing uses a template to replace operations previously performed by hand. A dedicated jig sews and cuts the fabric automatically based on a preset program. That is "Template sewing."



By designing and creating a template for every process and programming the corresponding sewing conditions, you create a system that gives every operator the power to reproduce expert-level skills and factory-specific know-how with the press of a button.
Even a novice operator can handle multiple demanding processes without help from others, leading to significant labor savings.

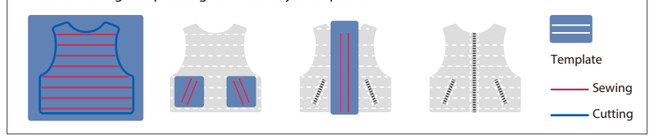
More simply, template sewing shifts a factory away from production systems that depend on manpower and worker skills. The freedom this brings is the greatest value delivered by JUKI's Pattern Seamer.

Entering an era of template sewing where template engineers take center stage

JUKI Pattern Seamer combines a high-quality machine head with an extensive lineup of optional attachments—cutters, vacuum systems, and more—to sew, cut, press, and perform other operations continuously and automatically with a single machine. Implementing this advanced level of template sewing requires the redesign of multiple processes that have traditionally been performed separately. The template engineers assigned to perform this essential task convert the expertise of skilled operators into systems that anyone can use. By enabling consistent quality, shorter training periods, and seamless skill transfer, they become the core personnel in sewing factories.

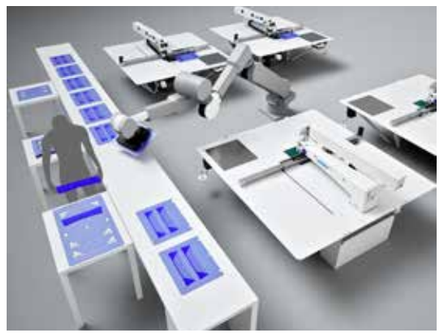
JUKI leverages the knowledge accumulated through its unique global network to support template creation and develop template engineers.

Innovative template designs make it possible to execute multiple processes such as cutting and pressing continuously in sequence.



Template sewing dramatically improves production volume and productivity even when your factory faces staffing constraints.

Template sewing frees up the workforce manning a line by separating the operations of "fabric setting" and "sewing processing." The machine no longer requires an operator constantly stationed by its side as it runs.
As staffing requirements become less constraining, manufacturers can more easily introduce the following types of automated and robotic operations into their lines:
• Transporting templates with the fabric already set
• Automated sewing by the pattern seamer
As the systems automate and reliance on manual labor dwindles, production volumes and productivity increase substantially across the entire line.



The JUKI-level standard the world's factories have been waiting for. The JUKI Pattern Seamer transforms the industry.

JUKI Technology

A semi-dry machine head that preserves world-class quality

Perfect sewing safety with zero oil staining

All JUKI Pattern Seamer models adopt a semi-dry machine head structure in which oil is applied only to the hook section. The semi-dry configuration dramatically reduces the risk of oil stains, promising safe sewing even on down jackets, white fabrics, and other materials where oil stains easily spread and are highly noticeable.

J-Dry Technology

JUKI Dry High-Speed Glide Technology

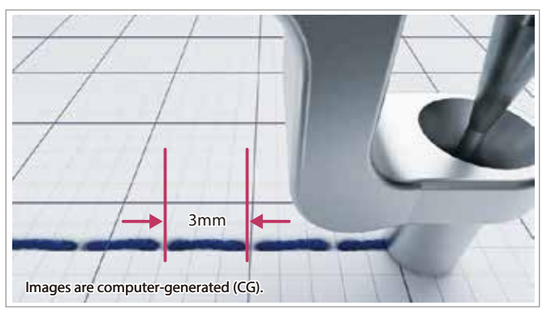
JUKI's unique design philosophy :
not to shield oil, but to eliminate the need for it.
The high-precision design and special surface treatments of the components reduce wear and extend the operation life by enabling oil-free lubrication.

JUKI Quality

Industry-leading stitch quality—both at high speed and on heavy weight materials

Equipped with JUKI's signature frame structure and feed control technology

The highly rigid frame construction, optimized structural design, and feed control technology ensure exceptional needle entry accuracy even during high-speed sewing.
(Models specified for lightweight materials are shipped with a thin #8 needle.)
Beautiful feed pitch achieved. Attention to detail is the hallmark of JUKI Quality.



Images are computer-generated (CG).

JUKI Expertise

Co-creating original production processes with JUKI

A comprehensive lineup of devices enabling optimal process designs

By leveraging our extensive lineup of equipment—including laser cutters and rotary knives—we enable optimal process design based on a clear vision of the ideal process. Working with JUKI's experienced engineers, customers can design and develop original, customized processes.
For example, adopting a laser cutter prevents fraying at the cut edge and reduces downstream processes. Direct sewing after cutting simplifies fabric pattern alignment, streamlining production with fewer overall steps.

JUKI Standard

JUKI's reliable designs conform to global standards

Comprehensive compliance with the international regulations applied to radio waves, machinery, and lasers

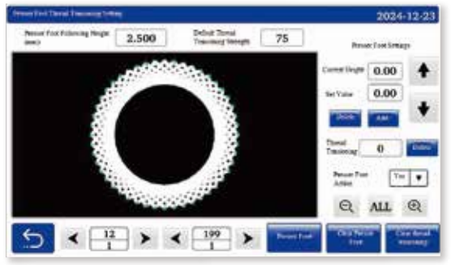
JUKI Pattern Seamers are designed in accordance with global regulations and major international safety standards. JUKI's RFID systems satisfy the radio-wave regulations in each country, with machine bodies that incorporate ISO-compliant safety covers. Some of our laser cutters meet the DIN safety standards, among the strictest in the world.

Achieving a higher level of sewing quality

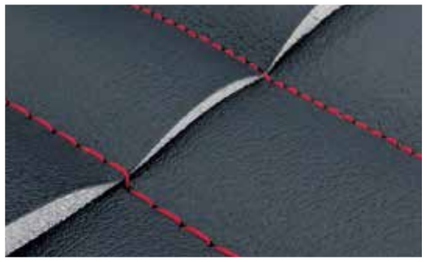
Programmed intermediate presser foot

Prevents stitch skipping and thread breakage when sewing multi-layer sections or fabrics of different thicknesses, even when using the same sewing pattern.

The lower dead point of the presser foot can be programmed for each stitch within the sewing pattern.



Program screen



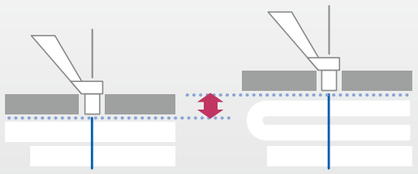
Sewing example

Multi-layer section:
When the fabric thickness varies within the same process

When sewing fabrics of different thicknesses —even with the same sewing pattern

Process 1: Plain stitching

Process 2: Hem stitching

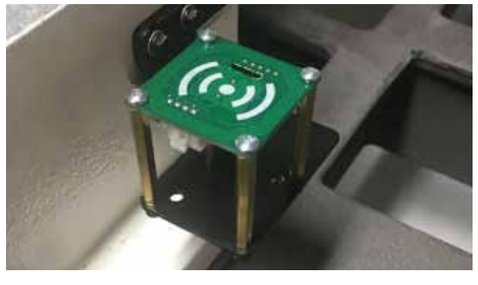


Automatic sewing program recognition

By reading the barcode/RFID embedded in the template, the corresponding sewing program can be called up.

Sewing patterns are automatically identified by means of RFID / Barcode reader to automatically call up the relevant sewing program, thereby starting sewing quickly.

* RFID (radio frequency identification): It is the technology to read and write data saved on IC chips through wireless non-contact transfer of radio frequency waves and is used to identify and manage products.



Active tension

The needle thread tension can be set for each stitch according to the sewing conditions within the program.

As the needle thread tension can be linked to the fabric thickness or adjusted according to the sewing direction, the program reproduces the optimal stitch quality and thread tension for any sewing application.

Ideal custom processes with versatile equipment

Fabric cutting specification

The fabric can be cut while the template remains clamped.

Sewing and cutting can be performed while the fabric remains fixed to the template. Sewing, cutting, and subsequent sewing can also be carried out continuously with the template clamped in place.
This allows left and right garment panels to be cut and a zipper attached while fixed, enabling continuous processing and high-precision assembly with accurately aligned panels.

Rotary knife

Effective for creating soft cut edges on both straight and curved sections —ideal for garment parts that come into frequent contact with the skin.

Laser cutter

Capable of cutting a wide range of designs regardless of the fabric thickness or shape. Adjust the laser output and feed speed to perform edge finishing operations such as fray prevention while the machine cuts the fabric.

Laser smoke purification device

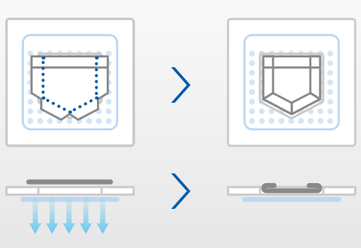
The laser cutter adopts a thermal cutting mechanism that may generate odors specific to the material as it cuts. In working environments with ductwork installed, the odors are discharged outside through the ducts. In environments without ductwork or with frequent changes in the production layout, comfort can be maintained by installing a purification device.

Part Number：8910 1701M

Vacuum device

Makes it easy to set templates for soft knits and lightweight fabrics.

For knit products not suited to the pressing process, quality can be improved by using a vacuum device to form creases along the template before sewing. In processes such as pocket attachment to dress shirts, creases can be formed along the template before the sewing begins. Manual folding with an iron-type folding process can therefore be eliminated, for improved productivity.



Independently driven electric bobbin winder

As the bobbin winding takes place independently from the machine, no operational stoppage is required. In addition, the winding amount can be set in meter units.

* Not included with the PS-800 2850 and PS-800 3830.

Sewing, cutting, and data editing—all in one machine

Operation panel

7-inch color LCD touch panel

Apart from basic machine operation, the operation panel can also be used to create sewing data and enter control commands.

PS-810

PS-800

Operation

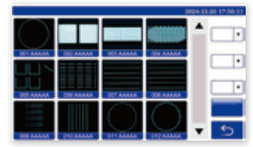
To start, press either the start button on the operation switch or the green start button on the operation panel. Operation can be monitored in real time, as needed. Vacuum operation can be controlled independently with the pedal, enabling start-and-stop control.

Creating sewing/cutting data

The intuitive, icon-based interface simplifies data creation and modification, enabling the easy creation of programs. The settings can be easily adjusted while test stitching is underway.

Program (File) Selection

Up to 999 programs can be registered. Programs can be recalled not only by program number but also from a list of stitch patterns, allowing intuitive and efficient data selection.



Error message display

A numbered error message appears on the screen when an error occurs. Look up the corresponding number in the instruction manual to identify the error and the cause. Detailed solutions can be found in both the instruction manual and dedicated "ShuHaRi*" app.

* For details on ShuHari, please refer to the "Introduction to the ShuHari Function".

Creating sewing data and entering control commands

Sewing data and control commands can be created and entered via the operation panel or through the editing software. (The editing software is included as standard.)

Procedure	Operation panel	Editing software	Function
CAD data import		◎	**CAD data import** Data can be imported in DXF, AL, PLT, DST and several other formats.
Sewing data creation	○	◎	**Sewing data creation** • Operation panel Place the template on the machine and create data while checking the actual item directly on-site. • Editing software Complex stitch shapes and cutting data can be easily converted into sewing data when design CAD data is available. Lines can be easily added or joined, and detailed stitch settings such as the sewing direction, sewing sequence, stitch length, reverse feed stitching, and condensation stitching can be configured in a few simple steps.
Control command input	◎	○	**Control command input** Customize sewing data with control commands tailored to your application: change the intermediate presser foot height, needle thread tension, and sewing speed during sewing; add output control for optional devices; insert temporary retraction coordinates during sewing, and more.
Sewing data / control command editing	◎	○	**Sewing data/control command editing** • Operation panel Once the template is set on the machine, you can edit the data as needed while checking the actual item. Add, move, or delete needle entry points; edit or remove existing control commands; insert new control commands. • Editing software Sewing data is saved in TZF format, enabling later revisions as needed.

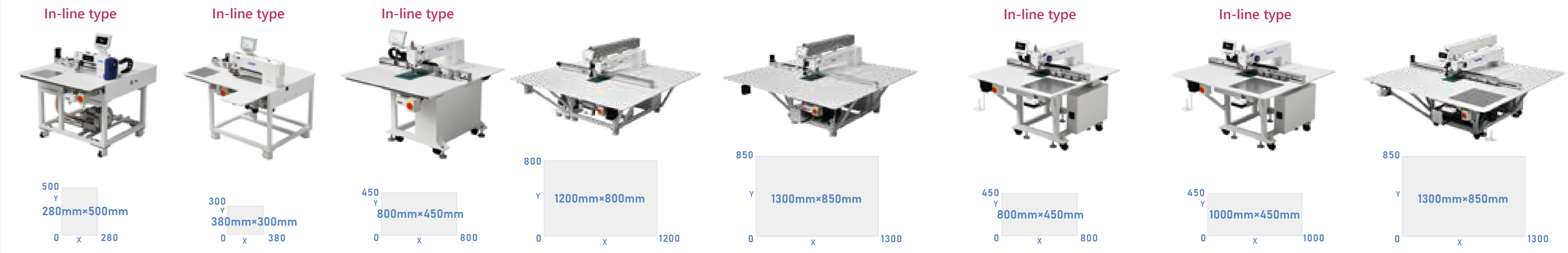
- The operation panel is equipped with a standard USB port, allowing convenient software version upgrades and easy data management between machines.
- Created pattern data is saved in SLW format, enabling pattern sharing between machines.
- The panel's large-capacity memory can store up to 999 patterns.

Specification table

■Feeding system
(1) Belt drive type
Maximum load capacity: 20.0 kg (template + workpiece)
(2) Screw-drive type: PS-800-12080
Maximum load capacity: 25.0 kg (template + workpiece)
Effective when using metal templates or sewing with extremely thick materials.

■Cutting area
Both the rotary knife and laser cutter can cut in areas separate from the sewing area.

■Customized specifications
Sewing areas and specification combinations that are not listed in the specification table can be accommodated as customized specifications.
For details, please contact a JUKI sales office.



Model name	PS-800-2850	PS-800-3830	PS-800-8045	PS-800-12080	PS-800-13085	PS-810-8045	PS-810-10045	PS-810-13085
Overall appearance：Sewing area	In-line type	In-line type	In-line type			In-line type	In-line type	
Cutting area – Rotary knife	-	365.5ｍｍ×256.5mm	699mm×393mm	1099mm×743mm	1199mm×793mm	699mm×393mm	899mm×399mm	1199mm×793mm
Cutting area – Laser cutter	-	-	646mm×426mm	1046mm×776mm	1146mm×826mm	646mm×426mm	846mm×426mm	1146mm×826mm
Vacuum area *2	290mm×280mm	290mm×280mm	332mm×332mm	-	-	432mm×432mm	432mm×432mm	432mm×432mm
Model name (Top : RFID, Bottom : Barcode) – S spec	PS-800SB-2850ZKZ PS-800SB-2850ZKW	PS-800SB-3830ZKZ PS-800SB-3830ZKW	PS-800SB-8045ZKZ PS-800SB-8045ZKW	PS-800SS-12080ZKZ PS-800SS-12080ZKW	PS-800SB-13085ZKZ PS-800SB-13085ZKW	PS-810SB-8045ZKZ PS-810SB-8045ZKW	PS-810SB-10045ZKZ PS-810SB-10045ZKW	PS-810SB-13085ZKZ PS-810SB-13085ZKW
S spec + Laser	-	-	PS-800SB-8045CKZ PS-800SB-8045CKW	PS-800SS-12080CKZ PS-800SS-12080CKW	PS-800SB-13085CKZ PS-800SB-13085CKW	PS-810SB-8045CKZ PS-810SB-8045CKW	PS-810SB-10045CKZ PS-810SB-10045CKW	PS-810SB-13085CKZ PS-810SB-13085CKW
S spec + Rotary knife	-	PS-800SB-3830AKK PS-800SB-3830AKV	PS-800SB-8045AKK PS-800SB-8045AKV	PS-800SS-12080AKK PS-800SS-12080AKV	PS-800SB-13085AKK PS-800SB-13085AKV	PS-810SB-8045AKK PS-810SB-8045AKV	PS-810SB-10045AKK PS-810SB-10045AKV	PS-810SB-13085AKK PS-810SB-13085AKV
S spec + Vacuum	PS-800SB-2850ZKZV PS-800SB-2850ZKWV	PS-800SB-3830AKKV PS-800SB-3830AKVV	PS-800SB-8045ZKZV PS-800SB-8045ZKWV	-	-	PS-810SB-8045ZKZV PS-810SB-8045ZKWV	PS-810SB-10045ZKZV PS-810SB-10045ZKWV	PS-810SB-13085ZKZV PS-810SB-13085ZKWV
S spec + Laser + Vacuum	-	-	PS-800SB-8045CKZV PS-800SB-8045CKWV	-	-	PS-810SB-8045CKZV PS-810SB-8045CKWV	PS-810SB-10045CKZV PS-810SB-10045CKWV	PS-810SB-13085CKZV PS-810SB-13085CKWV
S spec + Rotary knife + Vacuum	-	PS-800SB-3830AKKV PS-800SB-3830AKVV	PS-800SB-8045AKKV PS-800SB-8045AKVV	-	-	PS-810SB-8045AKKV PS-810SB-8045AKVV	PS-810SB-10045AKKV PS-810SB-10045AKVV	PS-810SB-13085AKKV PS-810SB-13085AKVV
H spec	-	PS-800HB-3830ZKZ PS-800HB-3830ZKW	PS-800HB-8045ZKZ PS-800HB-8045ZKW	-	PS-800HB-13085ZKZ PS-800HB-13085ZKW	PS-810HB-8045ZKZ PS-810HB-8045ZKW	PS-810HB-10045ZKZ PS-810HB-10045ZKW	PS-810HB-13085ZKZ PS-810HB-13085ZKW
H spec + Laser	-	-	-	-	-	PS-810HB-8045CKZ PS-810HB-8045CKW	PS-810HB-10045CKZ PS-810HB-10045CKW	PS-810HB-13085CKZ PS-810HB-13085CKW
A spec	-	-	-	-	-	-	-	-
Feed mechanism	Belt drive	Belt drive	Belt drive	Screw drive	Belt drive	Belt drive	Belt drive	Belt drive
Maximum sewing speed	3,500 sti/min *1 (Factory default settings S spec: 2,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)	3,000 sti/min *1 (Factory default settings S spec: 2,800 sti/min) H spec: 1,800 sti/min)
Lubrication type	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)	Semi-Dry(Needle bar dry)
Stitch ｌength	0.5 -12.7 mm	0.5 - 12.7 mm	0.5 - 12.7 mm	0.5 - 12.7 mm	0.5 - 12.7 mm	0.1 - 12.7 mm	0.1 - 12.7 mm	0.1 - 12.7 mm
Hook	Full-Rotation standard hook	Full-Rotation double capacity hook	Full-Rotation double capacity hook	Full-Rotation double capacity hook	Full-Rotation double capacity hook	Full-Rotation double capacity hook	Full-Rotation double capacity hook	Full-Rotation double capacity hook
Intermediate presser foot lift & stroke	Lift amount:9mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm	Lift amount:20mm Stroke:0～4mm
Variable lower dead point of the intermediate presser	0 - 4mm	0 - 9mm	0 - 9 mm	0 - 9 mm	0 - 9 mm	0 - 9 mm	0 - 9 mm	0 - 9 mm
Boat pressure lift	10㎜	15㎜	15㎜	15㎜	15㎜	15㎜	15㎜	15㎜
Needle bar stroke	30.7㎜	39.5㎜	39.5㎜	39.5㎜	39.5㎜	39.5㎜	39.5㎜	39.5㎜
Thread trimming type	Double-Blade rotary	Single-Blade rotary	Single-Blade rotary	Single-Blade rotary	Single-Blade rotary	Single-Blade rotary	Single-Blade rotary	Single-Blade rotary
Needle supplied at shipment	DBx1 #8(#7-#14)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)	S spec:DB×1 #8(#7-#14) H spec:DP×17 #21(#18-#23)
Template recognition function	RFID/Barcode	RFID/Barcode	RFID/Barcode	RFID/Barcode	RFID/Barcode	RFID/Barcode	RFID/Barcode	RFID/Barcode
Pattern data storage	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)	Max 999 patterns (Up to 80,000 stitches per pattern)
Number of identification patterns	999 patterns	999 patterns	999 patterns	999 patterns	999 patterns	999 patterns	999 patterns	999 patterns
Program input method	USB	USB	USB	USB	USB	USB	USB	USB
Data format	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software	Convert DXF / AI / PLT / DST formats to SLW format using editing software
JaNets	Connectable	Connectable	Connectable	Connectable	Connectable	Connectable	Connectable	Connectable
Weight	Standard specification : 220kg	Standard specification : 210kg	Standard specification : 305kg	Standard specification : 624.5kg	Standard specification : 500kg	Standard specification : 265kg	Standard specification : 275kg	Standard specification : 511kg
Power consumption	500VA	500VA	Standard:500VA Laser:1350VA Rotary knife:750VA	Standard:470VA Laser:1320VA Rotary knife:720VA	Standard:640VA Laser:1490VA Rotary knife:890VA	Standard:300VA Laser:1400VA Rotary knife:300VA	Standard:300VA Laser:1400VA Rotary knife:300VA	Standard:300VA Laser:1400VA Rotary knife:300VA
Air consumption	90L/min	90L/min	90L/min	90L/min	90L/min	90L/min	90L/min	90L/min
Power supply	Single-Phase 220V	Single-Phase 220V	Single-Phase 220V	Single-Phase 220V	Single-Phase 220V	Single-Phase 220V	Single-Phase 220V	Single-Phase 220V
Dimensions (table height)	1,060㎜(W)×1,330㎜(L)×830㎜(H)	1,200㎜(W)×1,020㎜(L)×830㎜(H)	1,200㎜(W)×1,325㎜(L)×830㎜(H)	2,185㎜(W)×2,180㎜(L)×830㎜(H)	2,100㎜(W)×2,193㎜(L)×830㎜(H)	1,200㎜(W)×1,325㎜(L)×830㎜(H)	1,400㎜(W)×1,325㎜(L)×830㎜(H)	2,100㎜(W)×2,193㎜(L)×830㎜(H)

*1: sti/min stands for Stitches per Minute.
*2: Available as an optional retrofit.

* A water-circulation system cools the laser tube when the laser cutter is operating.
Please prepare approximately 5–6 liters of commercially available purified water each time you replace the laser tube.

PS-800 Option list PS-800

PS-800 Exclusive options

	Device	Part number	Functions and Benefits	
1	Active tension device	40228700	The needle thread tension can be set numerically on a per-stitch basis on the operation panel. Adjust the tension values according to variations in the fabric thickness and sewing direction to achieve highly consistent and reproducible sewing results.	
2	BK-8 Bobbin changer	40228699	The BK-8 bobbin changer replaces pre-set bobbin cases automatically, eliminating the time and productivity burdens of manual bobbin replacement. The cassette can store up to seven spare bobbins.	
3	Spare cassette for BK-8/BK-10	40207417	Spare cassette designed for use with the BK-8/BK-10 bobbin changer. With spare cassettes, the machine stays running while the bobbins load, for further reduced downtime.	
4	Vacuum device	40228476 (for PS-800-8045) 40286900 (for PS-800-3830) 40275338 (for PS-800-2850)	This device suctions fabrics while they are being set on the template. In enables the folding of soft and lightweight fabrics and improves productivity by eliminating processes such as pressing.	
5	Needle thread clamp unit	40315056	This device grips the tip of the needle thread after thread trimming to ensure that the needle thread and bobbin thread properly interlock at the start of the next stitch. * Cannot be used with a boat presser or wiper.	
6	Inverter clamp	40300389 (for PS-800-8045) 40300388 (for PS-800-3830) 40300668 (for PS-800-2850)	The inverter clamp performs especially well for perimeter stitching when attaching parts such as labels and hook-and-loop fasteners (Velcro). The clamp adopts a retractable presser foot to enable stitching close to the needle entry point, preventing fabric displacement and allowing uniform, stable edge-width stitching around the perimeter.	
7	Chucking device	40286901	The template-fixing process can now be performed with a sensor-equipped chucking device. The sensor guidance eliminates the risk of template damage caused by incorrect template installation. * This is an option for PS-800-3830.	
8	Third thread tension unit	40228696	Additional needle thread tension can be applied to the existing tension by toggling the third thread tension unit ON/OFF. Thread tension adjustments can now be performed when sewing multi-layer sections or when the sewing direction changes.	
9	Pen stick device	40228686	The pen stick device moves the pen up and down at predetermined timing to mark the sewn material, enabling positioning in downstream processes.	
10	Bird's nest prevention device	40228695	The bird's nest prevention device reduces bird's nesting on the reverse side of the fabric at the start of sewing by pulling the needle thread. The amount of thread pulled and the clamping force can be adjusted to suit the material used.	
11	Remaining bobbin thread detector	40228698	With a sensor to detect the length of bobbin thread remaining, the sewing machine stops when the preset length is reached. This eliminates garment defects caused by bobbin thread depletion, and even greater productivity gains can be achieved by using the detector in combination with a bobbin changer (BK-8).	
12	Template lift device	40239772	This device lifts the template from beneath the table, making it easier to set it into the clamping unit. The device is especially effective with large and heavy templates. * Standard equipment on models PS-800-13085 and P-800-12080. For PS-800-8045	
13	Counter knife reinforcing plate for heavy weight thread	40269240	This part prevents elastic deformation (deflection) of the counter knife when cutting heavy thread. It also improves cutting accuracy by preventing thick thread from escaping between the moving knife and counter knife.	
14	Moving knife for knit materials	40243631	This is a moving knife compatible with knit materials (soft and stretchable fabrics). It is especially useful when applying a stronger knife pressure than usual.	

PS-810 Option list PS-810

	Device	Part number	Functions and Benefits	
1	Active tension device	40313814	The needle thread tension can be set numerically on a per-stitch basis on the operation panel. Adjust the tension values according to variations in the fabric thickness and sewing direction to achieve highly consistent and reproducible sewing results.	
2	BK-11 Bobbin changer	40313598 (for PS-810-8045/10045) 40313601 (for PS-810-13085)	The BK-11 bobbin changer replaces pre-set bobbin cases automatically, eliminating the time and productivity burdens of manual bobbin replacement. The cassette can store up to five spare bobbins.	
3	Spare cassette for BK-11	40228756	Spare cassette for use with the BK-11 bobbin changer. With spare cassettes, the machine stays running while the bobbins load, for further reduced downtime.	
4	Vacuum device	40313599 (for PS-810-8045/10045) 40313600 (for PS-810-13085)	This device suctions fabrics while they are being set on the template. In enables the folding of soft and lightweight fabrics and improves productivity by eliminating processes such as pressing.	
5	Needle thread clamp unit	40315056	This device grips the tip of the needle thread after thread trimming to ensure that the needle thread and bobbin thread properly interlock at the start of the next stitch. * Cannot be used with a boat presser or wiper. Dedicated software is separately required.	
6	Inverter clamp	40300389 (for PS-810-8045)	The inverter clamp performs especially well for perimeter stitching when attaching parts such as labels and hook-and-loop fasteners (Velcro). The clamp adopts a retractable presser foot to enable stitching close to the needle entry point, preventing fabric displacement and allowing uniform, stable edge-width stitching around the perimeter. * The PS-810 requires separate dedicated software.	
7	Third thread tension unit	40313596	Additional needle thread tension can be applied to the existing tension by toggling the third thread tension unit ON/OFF. Thread tension adjustments can now be performed when sewing multi-layer sections or when the sewing direction changes.	
8	Pen stick device	40313594	The pen stick device moves the pen up and down at predetermined timing to mark the sewn material, enabling positioning in downstream processes.	
9	Remaining bobbin thread detector	40313597	With a sensor to detect the length of bobbin thread remaining, the sewing machine stops when the preset length is reached. This eliminates garment defects caused by bobbin thread depletion, and even greater productivity gains can be achieved by using the detector in combination with a bobbin changer (BK-11).	
10	Counter knife reinforcing plate for heavy weight thread	40269240	This part prevents elastic deformation (deflection) of the counter knife when cutting heavy thread. It also improves cutting accuracy by preventing thick thread from escaping between the moving knife and counter knife.	
11	Moving knife for knit materials	40243631	This is a moving knife compatible with knit materials (soft and stretchable fabrics). It is especially useful when applying a stronger knife pressure than usual.	

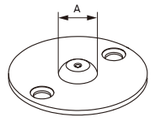
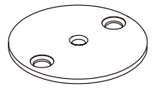
Common options for all models PS-800 PS-810

	Device	Part number	Functions and Benefits	
1	Plastic bobbin (package of 10)	For 2-fold hook: 40244784 (blue) 40245125 (red) 40245137 (yellow)	The lighter weight of plastic bobbins compared to aluminum and steel types stabilizes stitching by reducing thread slack and idle rotation during intermittent sewing and after thread trimming. The plastic bobbins generate minimal friction inside the bobbin case and are about as durable as aluminum or steel. They come in three colors, making them useful for thread-count management. * For PS-800-2850 standard hook: 40244783 (blue), 40245124 (red), 40245136 (yellow)	
2	Thick material kit	40228701	The five parts included in this kit (intermediate presser foot D=3.5, needle hole guide D=3.0, thread tension (asm.), counter knife (heavy-duty), hook (heavy-duty)) are used to convert S-specification (thin-material) machines for the sewing of thick materials. The kit is provided as standard on H-specification (thick-material) machines.	
3	Hirose hook	S specification: 40302005 H specification: 40302006	This is a Japanese-made Hirose hook (S specification/H specification). The allowable needle-thread tension range is widened beyond that of the standard hook to prevent thread breakage (S specification) and eliminate balloon stitches (H specification).	
4	Needle guard hook	40273423	The needle guard prevents skipped stitches during the sewing of difficult materials by reducing needle deflection when the needle penetrates the material. * Applicable needle sizes are #7 to #11.	
5	Dry hook	40315264	A special carbon material is used on the race surface. The machine's semi-dry structure eliminates lubrication around the needle bar and thread take-up lever, and combining it with this dry hook enables fully oil-free sewing, including in the hook area. (Fully dry)	

Gauge

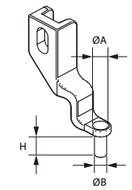
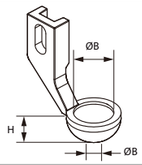
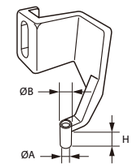
Needle plate

Unit: mm

Reference diagram	Shape	Part number	Needle hole diameter	Protrusion height	A dimension	Remarks
	With protrusion	40225495	Ø1.4	1.6	Ø5.0	
		40225504	Ø1.6	1.5	Ø3.7	
		40225486	Ø1.6	1.6	Ø6.0	S specification, supplied as standard
		40225501	Ø2.0	1.6	Ø6.0	
		40225502	Ø2.2	1.6	Ø6.0	
		40225503	Ø2.4	1.6	Ø6.0	
	Without protrusion	40282744	Ø1.6	-	-	
		40225498	Ø2.4	-	-	H specification, supplied as standard
		40225499	Ø3.0	-	-	
		40225495	Ø1.4	-	-	

Intermediate presser foot

Unit: mm

Reference diagram	Shape	Size	Part number	Cylinder inner diameter (ØA)	Cylinder outer diameter (ØB)	Cylinder height (H)	Remarks
	Cylindrical shape	-	40228073	Ø2.2	Ø3.6	5.2	S specification, supplied as standard
			40228078	Ø2.2	Ø3.2	3.8	
			40228079	Ø2.2	Ø3.2	7.8	
			40228074	Ø2.7	Ø4.0	5.8	
			40228075	Ø3.5	Ø5.5	5.8	H specification, supplied as standard
			40228077	Ø3.0	Ø4.4	4.6	
			40228076	Ø4.0	Ø5.5	5.8	
	Round shape	Small	40225511	Ø2.0	Ø4.5	3.5	
		Medium	40225512	Ø2.5	Ø9.6	4.7	
		Large	40225505	Ø2.5	Ø11.5	7.4	
	Custom-made part		40313354	Ø1.8	Ø3.3	6.0	
	Custom-made part		40313356	Ø1.8	Ø3.3	8.5	
	Custom-made part		40313355	Ø2.0	Ø3.3	6.0	
	Custom-made part		40313353	Ø2.0	Ø3.3	8.5	

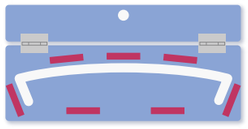
Boat presser

Shape	Material	Size	Part number	Remarks
	Metal	Large	40225491	Supplied as standard No assembly part number
		Small	40225496	Assembly part number: 40228583 Includes screws, spring pins, and flat washers.
	Plastic	-	40225516	Assembly part number: 40228357 Includes screws, nuts, flat washers, and spring washers.

Needle bar

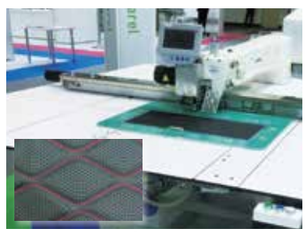
Part number	Remarks
40228113	Needle bar 1.6 (For DBx1, DPx5)
40228112	Needle bar 2.0 (For DPx17) * One piece is included as an accessory with S specification.

Template creation method

	Work image	Process	Tasks performed
1	 Cutting data / Sewing data	Creating sewing/cutting data	[Dedicated sewing software for pattern seamer] Create sewing data (such as sewing order and reverse feed stitching) and cutting data based on DXF, AL, PLT, or DST format data, and export them in SLW format.
2	 Die engraving data	Creating die engraving data	[Dedicated milling machine software] Die engraving data for the template is created based on the sewing/cutting data.
3		Template die engraving (milling)	[Milling machine] The template is engraved using a milling machine.
4	 Hinge / Anti-slip materials etc.	Template assembly	File the cut surface. Then assemble and finish the template using auxiliary materials such as anti-slip pads, magnets, sponge, and hinges, so that the fabric can be firmly secured.
5		Setting the reference point and barcode for sewing data	Mount the template on the sewing machine and confirm the needle entry position based on the sewing data. To prevent human-error such as needle breakage caused by loading incorrect data when switching templates, set a barcode so that the appropriate sewing data is automatically retrieved.

Comprehensive customization solutions

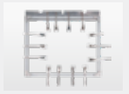
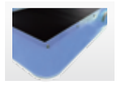
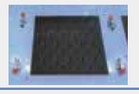
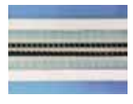
JUKI Pattern Seamer offers extensive customization optionsbased on your specifications.
For example, we provide solutions such as the “X88056,” which supports everything from punching to sewing, and the fully automatic pocket setter “PS,” equipped with pocket jigs tailored to your pocket size.
For more details, please feel free to consult with your nearest JUKI representative.


PS-800HS-12080/X88056

pocket setter PS

Parts for template production

Part

		Name	Part Number	Explanation		Example of parts in use for template production	
Fabric fixing	1	Formwork clamp (with pins)	5200 0390006	Used to secure fabric to the template. The pins used with the clamp help to hold the fabric in place more securely.		If the inner frame of the template aligns with the edge of the fabric to be placed, secure the fabric using formwork clamp 1 (with pins). While they help fix the fabric more securely, the pins of this clamp may also increase the risk of fabric damage. When securing more delicate or easily damaged fabrics, use formwork clamp 2 (without pins).	 
	2	Formwork clamp (without pins)	5200 0390005	Used to secure fabric to the template. Effective when you want to fix fabric without damaging it.			
	3	Clip	5200 0390007	A variable-type clip that flexibly accommodates small-lot, multi-product production.		If the size of the inner frame of the template differs from that of the fabric to be placed, secure the fabric using clips 3. When the fabric to be sewn varies in size, clips 3 are effective as a flexible template solution.	 
	4	Positioning pin	5200 0390025	Securely fixes fabric to the template while keeping it stretched.		Used when you need to securely fix the fabric to the template while keeping it stretched. As holes are pierced into the fabric to fasten it, the fabric must have sufficient material strength and have areas where holes can be made.	Template  With fabric set  With the upper template placed on top 
	5	Toggle clamp	5200 0390002	Securely fixes the template and fabric.		Used when securely fixing the fabric to the template.	(1) When securing the entire fabric by enclosing it with clamps  (2) When holding only part of the fabric 
Improved template operability	6	Hinge	5200 0390016	Helps the template open and close more smoothly.		Used when creating open/close-type templates.	Securely fixes the fabric in areas other than the sewing area.  
	7	Handle	5200 0390026	Serves as a grip when opening and closing the template.		Used when attaching the handle to the upper template in open/close-type templates, or to facilitate handling and ease of setup when mounting non-open/close templates on the machine.	
Improved sewing quality	8	Haircloth tape NEO-91-MWC-0014 (Adhesive horse haircloth) (35 mm x 20 m) (Roll)	NEO-91-MWC-0014	Attach haircloth tape to the template to help prevent puckering, fabric slippage, and fabric weave relaxation.		Used to continuously hold folded fabric by vacuum, or to lightly hold the fabric down while it is sewn.	 
	9	Anti-slip	G6343870000* (Sheet) 40066088* (10 mm Width Tape)	Attaching anti-slip sheets to the template helps prevent fabric slippage.		Used to guide the fabric around the perimeter to prevent it from shifting after it has been set in the template, or to guide it along the sewing direction to prevent fabric misalignment.	 

* JUKI part number

※ Parts not bearing a JUKI part number listed on this page are not genuine JUKI parts.

Formwork

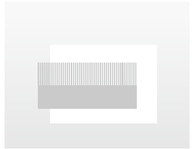
Formwork name	Part Number	Size
Multi template 8045	5200 0390017	80cm x 45cm
Multi template 12080	5200 0390018-2	120cm x 80cm
Multi template 13085	5200 0390018	130cm x 85cm

Quality improvement through template innovation

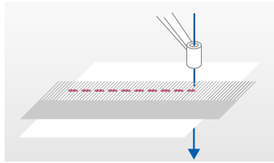
Enhance quality by refining the template design.

The application of haircloth tape is a good example. Attach haircloth tape to the template to help prevent puckering, fabric slippage, and fabric weave relaxation.

1 Make sure that the haircloth tape extends perpendicularly from the cut edge.



2 Sew the fabric together with the haircloth tape, using the tape to hold the fabric down.



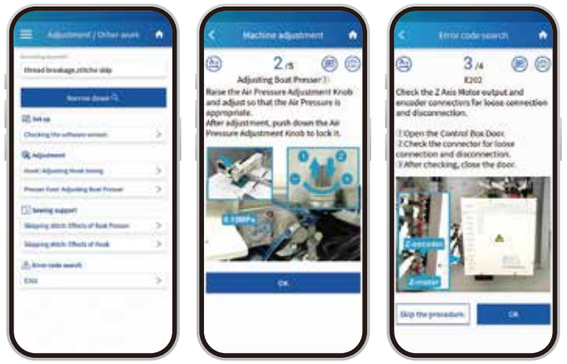
Without countermeasures

When fabric is held down with haircloth tape

Smarter maintenance with JUKI-ShuHaRi

The JUKI-ShuHaRi service supports sewing machine maintenance and solves issues at sewing sites with help from IoT devices such as smartphones and computers.
The functionality of the PS Series has been further enhanced with extensive content tailored to customer concerns.

Easy access to the information you need



Search for the target information all at once using keywords.

In addition to the inspection items needed to ensure stable machine operation, a wide range of other information can also be easily found.

Setup
Check the necessary procedures for operating the sewing machine, including the tasks performed during machine setup.

Adjustment
Check the procedures for adjustments that affect sewing performance, such as hook timing.

Sewing support
Find solutions for sewing-related issues such as stitch skipping and thread breakage, as well as useful sewing advice.

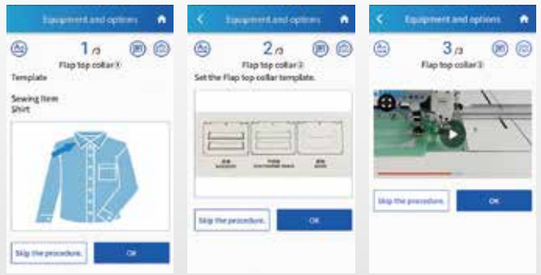
Error code search
Look up inspection items and corrective actions based on the error codes displayed on the panel.

Equipment/Options
Check the procedures for installing optional parts and using the templates.

Information
Access helpful tips for resolving issues such as panel operation and machine troubleshooting.

Examples of template applications can also be easily viewed in ShuHaRi.

- Easily check template information for each sewing item and garment section.
- Watch actual sewing scenes on video to quickly grasp the concepts.



For more information about JUKI-ShuHaRi or to apply, please visit our official website.

JUKI-ShuHaRi application form
https://www.juki.co.jp/industrial_e/service_e/shuhari/form.php

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