

PS-800 Series

Pattern Seamer



PS-800-13085 Sewing area 1,300mm(X)×850mm(Y)

PS-800-12080 Sewing area 1,200mm(X)×800mm(Y)

PS-800-8045 Sewing area 800mm(X)×450mm(Y)

The dry head machine achieves max. speed 3,000 sti/min with supporting various sewing and materials.

Your Ingenuity creates opportunities for Automation



PS-800-13085 • PS-800-12080 • PS-800-8045

Optional parts

Optional gauges (needle plate, intermediate presser), boat presser, table components, etc. are available. Please contact your nearest JUKI distributor.

- **Needle plate** (Needle hole size: φ1.4, φ1.6, φ2.0, φ2.2, φ2.4, φ3.0, φ3.5 etc.)
- Intermediate presser (Needle hole size: ϕ 2.2, ϕ 2.7, ϕ 3.5, ϕ 4.0, ϕ 2.0/ ϕ 4.5, ϕ 2.5/ ϕ 9.6, ϕ 2.5/ ϕ 11.5, ϕ 3.8/ ϕ 4.5 etc.)

SPECIFICATIONS

Model name	PS-800SB13085	PS-800SB8045	PS-800HB8045	PS-800SS12080	PS-800HS12080	
Sewing area	1,300 mm x 850 mm	800 mm x 450 mm		1,200 mm x 800 mm		
Feeding type	Dou	ble stepping motor Belt Dr	ive	Screw drive (ball screw)		
Max. sewing speed		3,000 sti/min*				
Stitch length	0.5 - 12.7 mm					
Hook	Full-rotary double-capacity hook					
Lift / Stroke of ntermediate presser	Lifting amount: 20 mm / Stroke: Standard 4 mm					
Variable lower position of the intermediate presser	0 - 9 mm					
Needle	DB × 1 #8 (7#~14#)	DB × 1 #8 (7#~14#)	DP × 17 #21 (18#~23#)	DB × 1 #8 (7#~14#)	DP × 17 #21 (18#~23#)	
Storage of pattern data n the memory	Max. 999 patterns (80,000 sti/pattern)					
Number of ndentifiable patterns		999 patterns				
Program input mode		USB				
File format		Convert DXF / AI / PLT / DST format to SLW format with editing softwear				
Weight	500Kg	450Kg		750Kg		
Dimensions	2,190mm (W) × 2,100mm (L) × 1,250mm (H)	1,200mm(W) × 1,325n	mm(L) × 1,250mm(H)	2,180mm (W) × 2,185mm (L) × 1,250mm (H)		

-	Sewing specifications	Code	Feed mechanism	Code	F	ower supply	Code	
	Light weight materials	S	Belt drive	В	Single-p	hase 200-220V	K	
	Heavy weight materials	Н	Screw drive (ball screw)	S	Single-p	hase 200-220V (CE)	N	
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В.	Sewing area (X-Y)	Code	Device		Code	Control	box	C
	1,300mm × 850mm	13085	Rotary knife (upper a	ind lower)	Α	with RFID and knife		
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1,200mm × 800mm 800mm × 450mm

*Sewing area 13085 is available for

Non knife

Control box	Code
with RFID and knife	K
Barcode reader and with knife	V
Barcode reader and without knife	W
with RFID and without knife	Z

JUKI ECO PRODUCTS The PS-800 Series is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment



• The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.

For details of JUKI ECO PRODUCTS, refer to: https://www.juki.co.jp/en/company/ec







2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN PHONE: (81) 42-357-2370 FAX: (81) 42-357-2274 https://www.juki.co.jp/en

* Specifications and appearance are subject to change without prior notice for improvement.

- * Read the instruction manual before putting the machine into service to ensure safety.
- * This catalogue prints with environment-friendly soyink on recycle paper.
- ***** Paper from responsible sources **FSC™ C001712**

The dry head machine achieves max. speed 3,000 sti/min with supporting various sewing and materials.



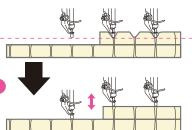
Height of the intermediate presser at its lower dead point can be adjusted on the operation panel

It is possible to change the intermediate presser height at its lower dead point steplessly during sewing. This feature is particularly effective when sewing multi-layered portions of material.

Since the material is stably held by the intermediate presser, sewing troubles such as stitch skipping and thread breakage are prevented.

Height of the intermediate presser is fixed at a certain height

The intermediate presser goes up/comes down in accordance with the material thickness



Operation panel

The sewing pattern data format are supports DXF, AI, PLT, and DST. Sewing pattern data in these formats are widely used in many sewing plants.

As a result, the operation panel is able to use the customers' existing sewing pattern data immediately. As many as 999 sewing patterns can be saved on the large-capacity memory of the operation panel. (Editing software is included with the accessory.)



Cloth trimmer specifications

The cloth trimmer comes in two different knives and a laser.

- Rotary knife This knife is suited to the sewing products designed to have straight portions and curve portions.
- This lazer is suited to heavy-weight hard materials and soft materials



Feeding type and sewing area

Double stepping motor belt drive type



Screw drive (ball screw) type



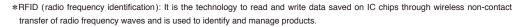


♦ Space-saving PS-800-8045

The PS-800-8045 can be installed in a space-saving manner. Not only the parts department but also sewing lines can be used. (The table size width is 1,200mm, the same as 1-needle lockstitch machine)

Patterns are identified by means of RFID/Barcode reader to enable automatic reading of sewing data

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





Oil stains are prevented

The machine head has adopted the advanced dry technology (no lubrication is required). Only the hook needs lubrication.

The dry head is very effective when sewing materials on which oil stains are likely to spread such as those for down jackets.



Option	Parts No.	Features	Remarks
Bird nest prevention device	40228695	Stitching trouble called "bird's nest" phenomenon (needle thread tangles on the undersurface of the material to form a thread ball) is prevented by the needle thread hauling function.	Supported by all models
Third thread tension unit	40228696	This is the unit that is able to partially change the thread tension on a sewing pattern.	Only for the stitching category "S" (For H, this unit is provided as standard)
Active tension device	40228700	The needle thread tension can be electrically changed. Needle thread tension can be set easily on the operation panel on a stitch-by-stitch basis to allow not only setting of the needle thread that is interlocked with the material thickness but also as correction of the thread tension that is likely to vary according to the direction of sewing.	Supported by all models
Lower thread clamp device	40228698	The amount of thread remaining on a bobbin is detected with the sensor to allow the sewing machine to stop when the predetermined amount of thread is reached before the thread wound on a bobbin runs out. With this device, the operator is able to concentrate on sewing work without worrying about the remaining bobbin thread amount.	Supported by all models
Bobbin changer device (Six bobbins can be loaded)	40228702	Provided that a spare bobbin case which is loaded with a bobbin fully wounded with thread is set before starting sewing, automatic replacement of bobbin cases is enabled to spare the operator the trouble of changing bobbin cases by hand, thereby increasing production efficiency.	Supported by all models
Bobbin changer device (Eight bobbins can be loaded)	40228699	Provided that a spare bobbin case which is loaded with a bobbin fully wounded with thread is set before starting sewing, automatic replacement of bobbin cases is enabled to spare the operator the trouble of changing bobbin cases by hand, thereby increasing production efficiency.	Supported by all models
Thick material kit	40228701	This is the gauge parts set for sewing heavy-weight materials.	Only for the stitching category "S" (For H, this unit is provided as standard)
Barcode reader unit	40235197	Sewing pattern that matches the template can be called up when the barcode on the template is read by the barcode reader.	For the electrical component category "V" and "W", this unit is provided as standard
Template lift cylinder asm.	40234778	This is the device that lifts and supports the template from under the table to allow the template to be inserted into the correct position.	Only for the PS-800-8045
Pen stick asm.	40228670	This is the device for writing a sewing reference mark on the material fabric with the pen by means of the XY feed mechanism.	Supported by all models