

APW-N Series

APW-895N / Lockstitch, Automatic Welting Machine (for straight pockets with flaps) APW-896N / Lockstitch, Automatic Welting Machine (for slanted pockets with flaps)





APW-895N/896N

APW-895N/896N

Machine time is reduced to provide increased productivity

Increased productivity

In addition to the high-speed machine head with a maximum speed of 3,000 sti/min, faster movement (jump and forwarding) of the clamp foot achieves a shorter machine time.

Welting process without flaps

1900~2300 pcs./8 hours Welting process with flaps

1600~1900 pcs./8 hours





APW-895N/896N

The machine supports the sewing of straight pockets (with flaps) on suits, jackets and pants. Double-/single-welt sewing can be changed over by the simple touch of a key on the operation panel. Increased adjustable range of sewing lengths (min. 18mm to max. 220mm)



*The picture shows the APW-896N.



Sewing pockets with flaps



*The picture shows the APW-896N.



Sewing straight pockets (single welt)

APW-896N

In addition to the APW-895N's functions, the APW-896N supports the sewing of slanted pockets (for sewing slanted flaps).

The world's first computer-controlled sidewise cutting position of the corner knives enables easy adjustments of the knives simply by operating the panel.







The sewing of slanted pockets (sewing slanted flaps)

JUKI ECO PRODUCTS

The APW-896N Series are 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: http://www.juki.co.jp/eco_e/index.html

*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environ

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Time required for setup changing is substantially shortened

- · The machine is equipped with a simple gauge changing mechanism which enables the changing and adjustment of the position of the hook driving shaft saddle from the top of the bed without tilting the machine head. The time required to change a needle gauge is less than a half of that required by conventional machines.
- · The position of the folding plate and needle does not change even when double-/single-welt sewing is changed over. This means that the folding plate does not need any adjustment.
- · The machine is provided as standard with a micro-adjusting function for adjusting the clamp foot position. This enables both accurate and quick adjustments of the welting width.



External mediuma

reader.

uses many different kinds of media.

Image of adjusting the hook driving shaft saddle

Highly-visible and easy-to-use large color LCD touch-panel (IP-420)

The graphic display and touch panel on the large color LCD help dramatically

increase ease of use. Basic operations are carried out with the graphic screen and pictogram buttons. Guidance messages are given in your selected language.

Now the USB-ready main body of the sewing machine

The memory storage capability of the main body of the sewing machine has been dramatically enhanced. Now the USB-ready main body of the sewing machine uses many different kinds of media. In addition to the Compact Flash card, the main body of the sewing machine is provided as

standard with a USB connector. Now, data can be input/output to/from various kinds of media (SD (Secure Digital Card), CF (Compact Flash), SM (Smart Media) etc.) by means of a USB thumb device and a card

Increased sharpness of the center knife

An independently driven (speed can be changed) stepping motor is adopted for the center knife.

The center knife therefore remains unaffected by the sewing speed and cuts more sharply and cleanly. In addition, the knife shape is improved to prevent bending and demonstrates increased sharpness when an elastic material is being sewn.



Newly developed stacker which is able to handle small articles

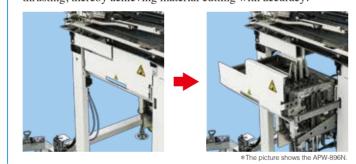
Two kinds of stackers are available; i.e., clamp bar stacker (SP-46N) and roller stacker (SP-47N). With the stacker, the machine is able to handle materials with a shortest distance of 250 mm from its edge to the pocket. A stacking sensor is also provided as standard to prevent stacking errors.





The corner knives are easily adjustable

The corner knives, which can be drawn out in the entire knife unit is adopted. The knives are easily adjusted and can also be changed with ease. The slim corner knife cover helps reduce material thrusting, thereby achieving material cutting with accuracy.



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IP-420

OPTION

Shim device: SA-118NS

The device feeds a highly-frictional garment body (material fabric) sandwiched vertically between the clamp foot and shim.



Other options

Othe	• Other options										
Model	Description	Feature									
SP-48	Grasp stacker	The general-purpose stacker has a wide range of applications, including men's wear, ladies' wear, sportswear, jumpers, etc.									
SA-117N	Dart stretcher	It is capable of smoothing wrinkles in a garment body with the edges of the material fabric clamped.									
SA-119NE	Suction device	This suction device is intended for sewing tables with monolithic right and left parts									
SA-121N	Flap pattern matching marker	When using a patterned flap, the pattern matching position can be checked with a marking lamp									
SA-126	Bundle clamp* (Part No. : 40045778)	It clamps parts for items such as trousers while stacked to carry out operations. This device is to be used in combination with the roller stacker (SP-47).									
SA-131N	Additional marker	It is a marking lamp that adds reference lines.									
SA-134	Right angle detecting sensor	It is a sensor to detect the right-flap angle. (The automatic left-flap angle detecting function is provided as standard.)									
SA-136N	Interfacing presser	It is a pneumatic type interlining presser. Place an order when using the standard table.									

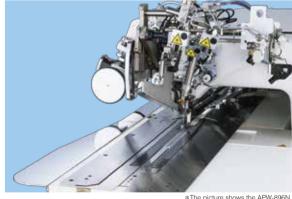
*Please order for the bundle clamp SA-126 and suction motor SA-127 as parts

Suction device: SA-119N (for sewing tables with separated right and left parts)

● Suction motor *: SA-127 (Part No.: 40045779)

The device improves the ease of the material placement by sucking the garment body. The device should be used in combination with a suction motor (SA-127).

*The SA-127 is not required if a commercially available suction motor or suction device is provided at your factory.



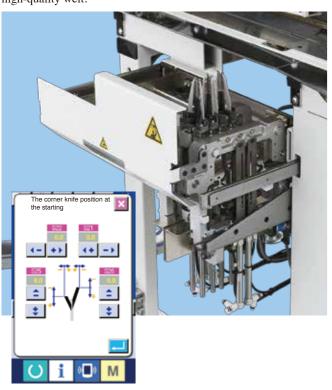
Automatic interlining feeder: SA-120N

The device automatically feeds rolled interlining onto the table and cuts it. It helps reduce the time required to place the interlining, thereby increasing productivity and workability.



The world's first "corner-knife cutting adjustment" through the operation panel is achieved

There are many different kinds of welting patches in terms of specifications and materials. The corner knife cutting at the corner part of a welt needs fine adjustments. This can now be easily adjusted in 0.1 mm steps only through the operation panel since the corner knife comes with "computer control of the cutting position" and an "independent right- and left-blade lifting/lowering" mechanism. Fine adjustments of the amount of knife cutting to the stitch can be done both in the crosswise and lengthwise directions, not through the use of a tool, but simply by operating the operation panel. This substantially reduces the adjustment time and finishes high-quality welt.



Equal stitch-length right/left backtacking function is installed

The machine comes with an added function for equalizing the right and left backtack stitch length for the sewing of slanted pockets. This function helps improve the backtack seam quality.



The machine is provided as standard with the "automatic left-flap angle detecting function"

By pressing the automatic angle detection button on the operation panel when sewing a left flap, the two sensors detect the flap angle to adjust the sewing starting (sewing end) position of the right and left needles when sewing a left flap.

- *This function is provided as standard only on left-flap sewing.
- *When automatic detection finds a difference of less than 0.5 mm, parallel stitching is performed.
- *For the sewing of single welt, the flap-angle detecting sensors cannot be used. Only the flap sensor can be used.

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

[Machine head]

■WHEN YOU PLACE ORDERS

[maoriire ricaa]										
				ΑP	W-895	NS/APW	/-896NS	3		
Model type	Co	de		Needle gauge · Welting patch ruler size						
For straight pockets with flaps	5N		Spe	N		Double-welt ruler		velt ruler	Codo	
For slanted pockets with flaps	896	6N		Specification	Needle gauge	the mai		(accessory supplied with the machine)		Code
				tion	gauge	L-size	R-size	L-size	R-size	
					8mm	3.3mm	3.3mm	7.3mm	7.3mm	80
needle gauge size is mo	*Select "L"(Wide&Long) in case that the needle gauge size is more than 22mm				10mm	4.3mm	4.3mm	9.3mm	9.3mm	10
and/or the sewing length more than 220mm.	n (welt len	igth) is		Sts	12mm	5.3mm	5.3mm	11.3mm	11.3mm	12
Specification	ns	Code		Standard	14mm	6.3mm	6.3mm	13.3mm	13.3mm	14
Standard		S		ard	16mm	7.3mm	7.3mm	15.3mm	15.3mm	16
Wide & Long		L	1		18mm	8.3mm	8.3mm	17.3mm	17.3mm	18
(APW-895N only)					20mm	9.3mm	9.3mm	19.3mm	19.3mm	20

APW

APW-895NL

		Needle gauge · Welting patch ruler size										
,	Specification	Needle gauge	Double-v (install the mai	welt ruler led on n body)	on (accessory supplie			Code				
	ation	gauge	L-size	R-size		L-size	R-size					
		22mm	10.3mm	10.3mm		21.3mm	21.3mm	22				
	Wide	24mm	11.3mm	11.3mm	٦	23.3mm	23.3mm	24				
	de &	26mm	12.3mm	12.3mm		25.3mm	25.3mm	26				
		28mm	13.3mm	13.3mm	٦	27.3mm	27.3mm	28				
	Long	30mm	14.3mm	14.3mm		29.3mm	29.3mm	30				
		32mm	15.3mm	15.3mm	1	31.3mm	31.3mm	32				

Stacker							
provided	Z						
46N (clamp bar stacker)	Q						
SP-47N (roller stacker)							
46N + SP-47N	S						
	provided 46N (clamp bar stacker)						

Power supply

V DM-802VI

3-phase 200~240V D
3-phase 380V (provided with SA-128) W

Code

		Options (When you have chosen specitication type "S"(standard)) * SA-118NS SA-119N SA-119NE SA-120N SA-121N SA-131N								Options (When you have chosen specitication type "L"(Wide & Long))				
SA-117 Dark stretch	Shim device	SA-119N Suction device (separate type)	Suction device	Automatic interlining			SA-134 Right angle detecting sensor			Code	SA-118NL Shim device	SA-131N Additional marker	SA-141 Marking light	Code

APW-895NS

AF W-033	AFW-033N3 AFW-033NL													
•			•							МЗ	_	_	_	ZZ
						•		•		Q1		•		M7
						•		•	•	S1	•			N0
												•	•	R5
APW-896	SNS										•		•	T0
•		•					•			P1	•	•	•	T1
							_							

•		•					•			P1
	•						•			P2
•	•					•	•			P6
						•	•			P7
	•					•	•			P9
						•	•	•		Q3
•		•		•		•				Q4
•		•		•	•	•	•	•		Q5
•	•					•	•		•	R8
						•	•		•	R9
	•					•	•		•	S0
						•	•	•	•	S2
•		•		•		•			•	S3
•		•		•	•	•	•		•	S4
_			_			_			_	

APW-895NS/APW-896NS

_	_	_	_	_	_	_	_	_	_	ZZ
•										LO
•					•					L1
•				•						L2
•				•	•					L3
•	•									L4
•	•				•					L5
•		•								L6
•		•			•					L7
•		•		•						L8
•		•		•	•					L9
	•									M2
•			•		•					M4
•	•					•				M6
						•				M7
•	•				•	•				M8
	•					•				M9
•									•	R1
•		•							•	R2
•			•		•				•	R3
•	•					•			•	R4
						•			•	R5
•	•				•	•			•	R6
	•					•			•	R7

^{*}The SA-117N can be used for gauge sizes of 8 mm to 12 mm.

Automatic left-flap angle detecting function

When sewing a slanted flap	Right needle		
Angle detecting sensor Left flap sensor Automatic detection of a flap angle and calculation of the sewing starting /end positions Flap	Auto set	omatic titing S13	Automatic angle detection button

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^{*} To order, please contact your nearest JUKI distributor.

SPECIFICATIONS

Model name	APW-895N	APW-896N					
Flap type	Rectangular flap	Rectangular / Slanted flap					
Sewing speed	Max. 3,000 sti/min (1	,000~3,000 sti/min)*					
Kind of welts	Parallel double welt, parallel single welt (with/without flaps)	Parallel double welts, parallel single welts, slanted double welts, slanted single welts, trapezoidal sewing (with/without flaps)					
Stitch length	Standard 2.5mi	m (2.0~3.4mm)					
Stitch length (fastening stitching)	9	ndard 1.0mm (0.5~1.5mm) ndard 2.0mm (0.5~3.0mm) ensation / back tack stitching					
Corner-knife cutting adjusting method	Mechanical adjustment	Electronic adjustment					
Needle	ORGAN DP × 17 Standard #16 (#14~#18), S	CHMETZ 190R Standard #100 (#100~#110)					
Thread	SPUN #60 (recommend)						
Hook	Vertical-axis 1.7-fold capacity hook						
Number of independent sewing patterns	99 patterns (999 patterns whe	en a CF memory card is used)					
Number of cycle sewing patterns	20 pa	tterns					
Number of alternate sewing patterns	20 pa	tterns					
Machine head	2-needle, lockstitch machine (LH-895)	2-needle, lockstitch machine with organized split needle bar (LH-896)					
Cloth feeding system	Driven by a st	epping motor					
Power requirement	Single-phasae 200~240V, 3-pl	hase 200~380V 50Hz / 60Hz					
Power consumption	350)VA					
Compressed air / Air consumption	0.5MPa, 40dr	n³/min (ANR)					
Weight	238.5kg	259.0kg					
Dimensions	1,095mm(W)×1,500i (Width 1580mm = Stacker included) (He						

Model name	name With / Without (corner knife and center knife) Sewing length (welt length)		Needle gauge (mm)
	Without	Min. 18mm~Max. 220mm (settable in increments of 0.1mm)	
APW-895NS	With	Min. 35mm When a solenoid valve is used: Min. 21mm *For a needle gauge width of 14mm or more, the minimum sewing length is 50mm.	8, 10, 12, 14, 16, 18, 20
APW-895NL	Without	Min. 18mm~Max. 300mm (settable in increments of 0.1mm)	22, 24, 26, 28, 30, 32
AF W-055NL	With	Min. 50mm~Max. 250mm (settable in increments of 0.1mm)	22, 24, 20, 20, 30, 32
	Without	Min. 18mm~Max. 220mm (settable in increments of 0.1mm)	
APW-896N	With	Needle gauge 12mm or less: Min. 21mm~Max. 220mm Needle gauge 14mm or more: Min. 50mm~Max. 220mm	8, 10, 12, 14, 16, 18, 20

^{*&}quot;sti/min" stands for "Stitches per Minute."



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



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FAX: (81) 42-357-2274 http://www.juki.com

^{*} 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.