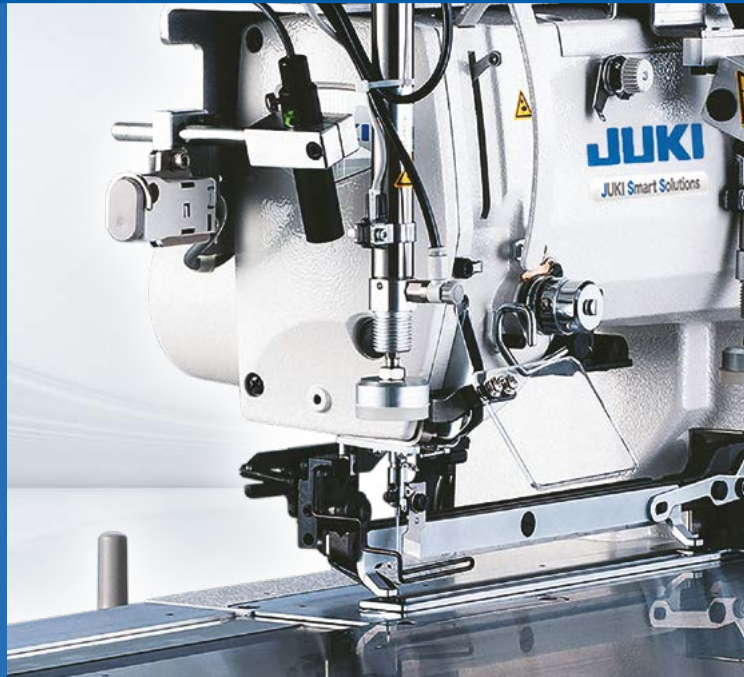


SOLUTIONS FOR POLO SHIRTS PRODUCTION





SOLUTIONS FOR POLO SHIRTS PRODUCTION

Juki has been producing sewing machines for over 80 years and our competency in making efficient and reliable machines has only improved over that time. Juki is a Japanese company renowned for its innovative technologies and superior quality.

This catalogue shows a number of Juki sewing machines dedicated to all aspects of polo production. You can find uniquely designed machines specialized for front polo plackets which allow a single operator to achieve unrivaled productivity.

Our sewing machines are used the world over by businesses that want a reliable and efficient production process with the ease of mind that come with the name JUKI.

BUTTON ATTACHING

LK1903BN

Computer-controlled, High-speed, Lockstitch, Button Sewing System

Users who are conscious about the finished quality of products manually nip, with scissors, the thread remaining on the material after thread trimming at the end of sewing. Now, the button sewing machine with the bird's nest preventing/shorter thread remaining functions saves such users the trouble of nipping the thread, thereby preventing the sewing product from being damaged by manual thread-nipping with scissors.



Model Name				ALTERNATIVE MODEL
	LK-1903BN	LK-1903BNB	LK-1903BN/BR35	MB1800A/BR10
Max. sewing speed	2.700sti/min			1.800sti/min
Button size	Type: Round-shaped flat Size: ø8~ø32mm 301: ø8~ø20mm 302: ø10~ø20mm OPTION: ø15~ø32mm	Type: Round-shaped flat Size: ø8~ø20mm 301: q,8,vq,20	Size: ø9~ø20mm Small: ø10~ø15mm Medium-sized: ø12~ø18mm (smaller than ø10mm or larger than ø18mm - for custom orders) Thickness: 1.8~3-5mm	Type: Round-shaped flat Size: ø9~ø26mm (smaller than ø10mm or larger than ø19mm - for custom orders; ø16mm or larger - a button clamp jaw lever for bigger buttons has to be used) Thickness: 1.8~3-5mm
Stitch length	0.1-10mm (0.1mm step)			N/A
Needle bar stroke	45.7mm			48.6mm
Lift of the work clamp foot	Max. 13mm	Max. 10mm	Max. 11mm	Max. 14mm
Auto-lifter	Provided as standard (stepping motor type)			N/A
Needle thread tension	Active tension (electronic thread tension control system)			Manual
Needle	DPx17 (#14)	DPx17 (#11)	DPx17 (#14)	TQx7 (#16) #14 ~ #20
Remaining thread	standard	2mm or less	standard	3.5mm

BUTTON HOLES

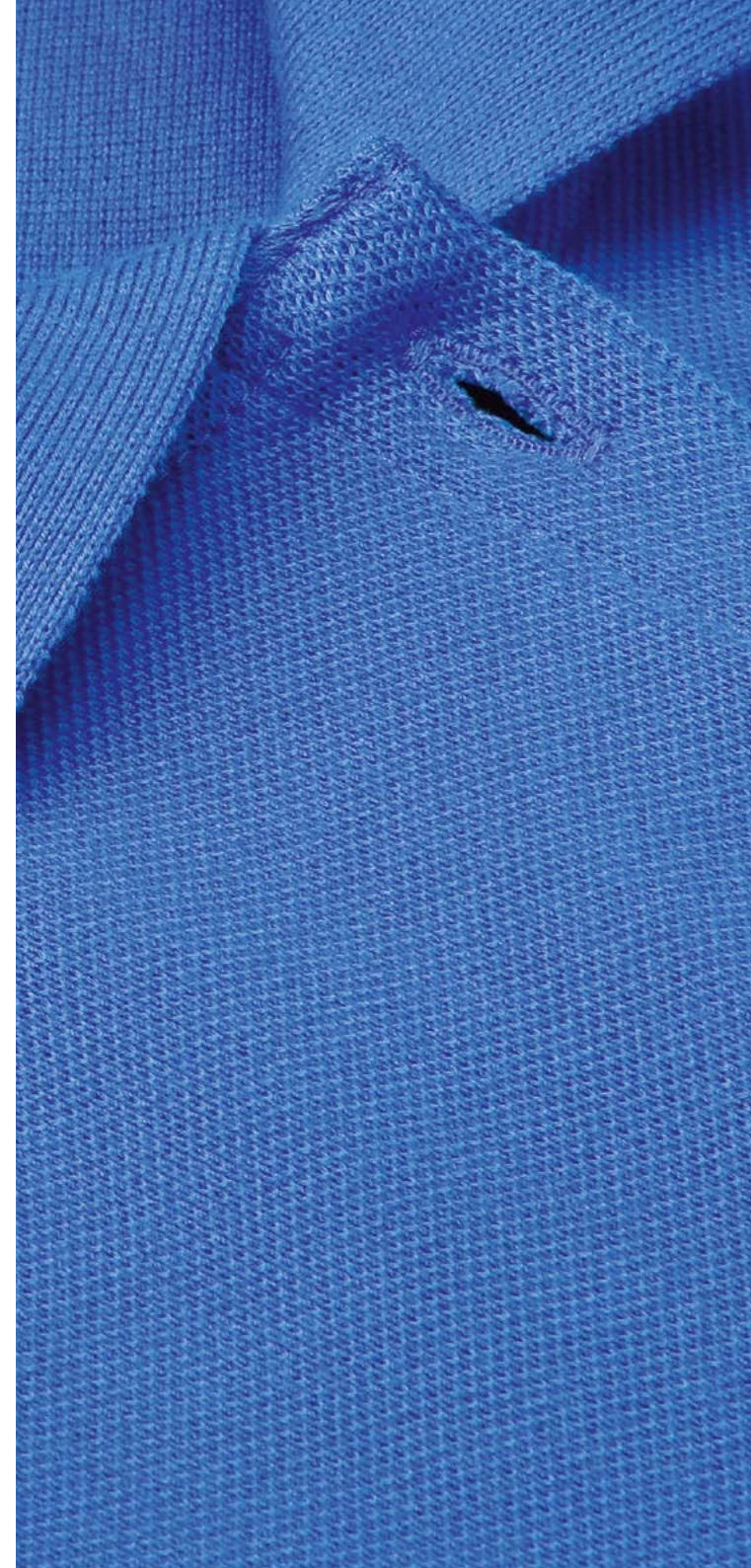
LBH-1790AN

Computer-controlled, High-speed, Buttonholing Sewing System

The LBH-1790AN Series follows the world's highest sewing speed and dry-head mechanism of its predecessor model. In addition, this machine comes with the latest model operation panel which is installed with a USB port. Furthermore, all drive mechanisms have been digitalized to manage each sewing pattern individually. The maximum sewing speed is 4.200 sti/min., and the jump speed is 200 mm/s. The cycle time has been further reduced for continuous sewing.



Model Name	LBH-1790ANB	LBH-1790AN	LBH-1790A + Part 40067165	LBH-1796A/40153978 (Indexer Kit)
Sewing speed	Max. 4.200 sti/min, Normal 3.600 sti/min When the non-lubricated hook (optional) is used: 3.300 sti/min.			
Needle bar stroke	34.6 mm,			
Size of cloth cutting knife	6.4~22.2 mm (1/4"~7/8")	6.4~31.8 mm (1/4"~1-1/4")		6.4~25.4 mm
Bartacking width	Max. 4.0 mm	Max. 5.0 mm (with special-specification part: Max. 10 mm*)		Max. 5.0 mm
Buttonhole length	Max. 41mm (optional 70mm, 120 mm)	Max. 41mm (optional: 70 mm, 120 mm)	Lifting Plate Part 120mm	Max. 220 mm
Precision of needle throwing mechanism	0.05mm			
Needle thread tension	Active tension (electronic thread tension control system)			
Number of stitches	Automatically computed from the size of the buttonhole and stitch pitch			
Needle (at the time of delivery)	DP×5 (#11J) #11J~#14J			
Hook	DP type, full-rotary hook Non-lubricated hook (optional)			





FRONT PLACKET

AMS-221ENHS-3020/72005200

Computer-controlled Cycle Machine with Input Function with Polo Placket Device

Computer-controlled Cycle Machine with Input Function (Polo-shirts Placket Device). The device is able to place a placket on garment body while the machine is still engaged in the sewing of the current placket. This means higher productivity can be achieved simply with one machine. The machine can sew V-shape stitch, and Dimple-shaped depression by automatic is fewer than by manual work.

Model Name	AMS-221ENSS3020/ Polo-shirts Placket Device
Sewing area (hidden placket for men)	X: 4~6mm x Y: 180mm
Placket cloth size	90~130mm (W) x 200mm (L)
Max. sewing speed	2.500sti/min
Application	Medium-weight
Needle (recommendation)	DPx17(#9~#11)
Thread	#60~#50



PS800SB8045ANK- BB

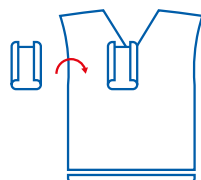
Juki PS800SB8045ANK- BB is a computer-controlled pattern seamer with 800 x 450mm sewing area size. It ensures sewing speed up to 3000 sti/min. and supports various materials. Machine guarantees high precision and quality together with easy operation. Model can be optionally equipped with a cutter such as a straight knife, rotary knife, or laser.

Model Name	PS800SB8045ANK- BB
Sewing area	1,200 mm x 800 mm I 800 mm x 450 mm
Feeding type	Double Guide-rail drive Double stepping motor Belt Drive
Max. sewing speed	3,000 sti/min
Stitch length	0.5 - 12.7 mm
Hook	Full-rotary double-capacity hook

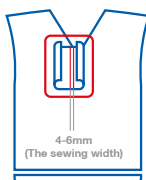
*40282879 Placket Device option



1. ATTACH PLACKET ON BODY

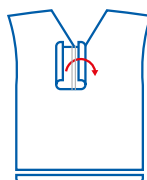


1.1. PUT PLACKET ON BODY

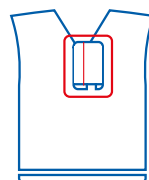


1.2. SEW PLACKET

2. TOPSTITCH UNDER PLACKET

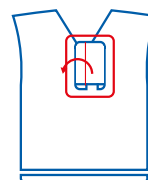


2.1. FOLD PLACKET

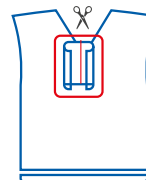


2.2. TOPSTITCH UNDER PLACKET

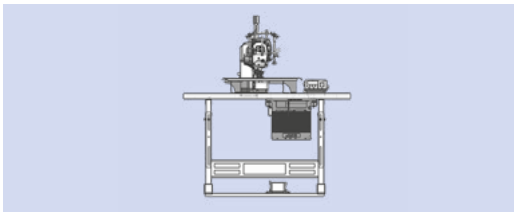
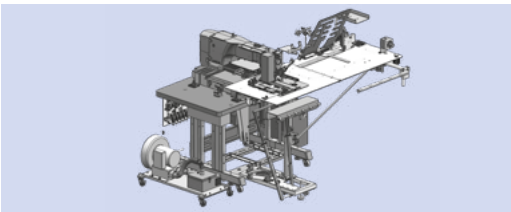
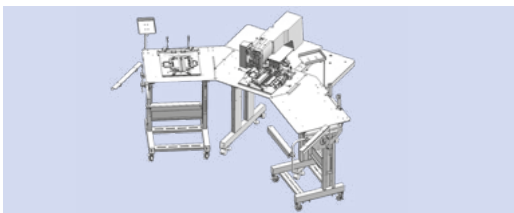
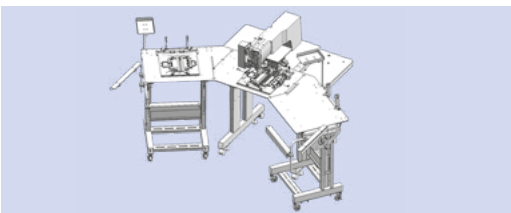
3. CUT PLACKET



3.1. OPEN PLACKET AFTER TOPSTITCH PROCESS



3.2. CUT PLACKET BETWEEN STITCH LINE

ALTERNATIVE MODELS		
Model Name	LBH1796AS/X73223	AMS-221ENHS3020/PP220
		
Part number	40177344	Complete
Placket type	Single Placket	Single Placket
Cycle type	16 sec	19 sec
Model Name	AMS-221ENHS3020/PP110	AMS-221ENHS3020/PP120
		
Part number	72005200	40178676
Placket type	Single Placket Top Stitch	Double Placket Dual Top Stitch
Cycle type	21 sec	31 sec



SHOULDERS

MO-6714DA/G39/Q141

Semi-dry-head, High-speed, Overlock / Safety Stitch-Machine

Maximum sewing speed is increased to 7.000sti/min. The needle bar mechanism and upper looper mechanism have been redesigned to require no lubrication. The frequency of stain removal or re-sewing is reduced. The most-advanced dry technologies, such as the special surface treatment applied to the major drive unit and the grease feeding method, contribute to higher durability. The machine does not splash oil after a long-period of use.



Model Name	ALTERNATIVE MODEL			
	MO-6704DA	MO-6714DA	MO-6716DA	MO-6814D-BE6-30H/G44/Q143
Stitch type	1-needle overlock	2-needle overlock	Safety stitching	2-needle overlock
Max. sewing speed	7.000sti/min			
Stitch length	0.8-4mm		1.5-4mm	1.5-4mm
Needle gauge	–	2.0, 3.2mm	3.2, 4.8, 4.8+2.0, 3.2+2.0mm	2.0mm
Overedging width	1.6, 3.2, 4.0, 4.8mm	2.0, 3.2, 4.0, 4.8mm	3.2, 4.0, 4.8, 6.4mm	2.0, 3.0, 4.0mm
Bottom differential feed ratio	Gathering 1:2 (max. 1:4). Stretching 1:0.7 (max. 1:0.6)			
Needle	DC×27 (excluding some subclass model)			

SLEEVE HEMMING

MF-7923U11B56/UT57

Direct-drive, High-speed, Cylinder-bed, Top & Bottom Coverstitch Machine with Needle - and Loper - Thread Trimmer

The machine can be used for the hemming process of the sleeves and bottoms of T-shirts and for the covering process for sportswear and knitwear. The front cover is trimmed to allow operators to bring their hands closer near the needle entry area, thereby increasing work efficiency in the covering process, etc.



Model Name	MF-7923U11B56/UT57	MF-7223D-U10-B56/UT45
Stitch type	3-needle top and bottom covering stitch	
Max. sewing speed	6.000sti/min	4.000sti/min
Feed mechanism	Needle	
Stitch length	0.9mm~3.6mm	4.2mm
Needle	UY128GAS #9S~12S (#10S)	



SLEEVE ATTACHING AND SIDE SEALING

MO-6714DA/T042S

Semi-dry-head, High-speed, Overlock / Safety Stitch Machine

Maximum sewing speed is increased to 7.000sti/min. The needle bar mechanism and upper looper mechanism have been redesigned to require no lubrication. The frequency of stain removal or re-sewing is reduced. The most-advanced dry technologies, such as the special surface treatment applied to the major drive unit and the grease feeding method, contribute to higher durability. The machine does not splash oil after a long-period of use.



Model Name	MO-6704DA	MO-6714DA	MO-6716DA	MF-7523DU11B56/UT37
Stitch type	1-needle overlock	2-needle overlock	Safety stitching	2-needle top and bottom covering stitch
Max. sewing speed	7.000sti/min			5.000sti/min
Stitch length	0.8-4mm		1.5-4mm	1.2-3.6mm
Needle gauge	—	2.0, 3.2mm	3.2, 4.8, 4.8+2.0, 3.2+2.0mm	5.6, 6.4
Overedging width	1.6, 3.2, 4.0, 4.8mm	2.0, 3.2, 4.0, 4.8mm	3.2, 4.0, 4.8, 6.4mm	N/A
Bottom differential feed ratio	Gathering 1:2 (max. 1:4). Stretching 1:0.7 (max. 1:0.6)			1:0.7~1:2
Needle	DC×27 (excluding some subclass model)			UY128GAS (#10S) #9~#12

BOTTOM HEMMING

MF-7923U11B56/UT57

Direct-drive, High-speed, Cylinder-bed, Top & Bottom Coverstitch Machine with Needle- and Loper- Thread Trimmer

The machine can be used for the hemming process of the sleeves and bottoms of T-shirts and for the covering process for sportswear and knitwear. The front cover is trimmed to allow operators to bring their hands closer near the needle entry area, thereby increasing work efficiency in the covering process, etc.



Model Name	MF-7923U11B56/UT57	MF-7923D-H25-E56
Stitch type	3-needle top and bottom covering stitch	
Max. sewing speed	6.000sti/min	5.000sti/min
Feed mechanism	Needle	
Stitch length	0.9mm~3.6mm	
Needle	UY128GAS #9S~12S(#10S)	



POCKETS

AST-9000C/27X30/PNY-AP

T-shirt Neck Patch (Circle or Triangle) and Pocket Attaching Machine for Light Material

AST-9000C/27X30/PNY-AP is based on JUKI DDL-9000BSH sewing machine head with 270 x 300mm working area and 3000 sti/min. sewing speed. Machine uses direct-drive servo motor technology, X-Y servo motor system and is equipped with touchscreen control panel.



Model Name	ALTERNATIVE MODEL	
	AST-9000C/27X30/PNY-AP	DDL-9000CFMS
Head installation	DDL-9000B-MS lockstitch sewing machine	N/A
Max. sewing speed	300sti/min	5.000sti/min*1
Stitch length	1-3mm	5mm
Cloth feeding mode	servo cloth feeding in x/y direction	Manually
Sewing scope	x=80~175 and y=80~150mm	
Operating voltage	220V	520VA
Operating air pressure	0.5Mpa	N/A
Machine size	1700x1500x1450mm (3.6975 m³)	713x313x767mm (0.171m³)
Machine weight	400kg	40.5kg
Air consumption	200L/min	N/A

*1 Stitch length of 4.00mm or less: 5.000sit/min; Stitch length of 4.05-5.00mm: 4.000sti/min

LABEL ATTACHING

AMS 210ENHS1510

Computer-controlled Cycle Machine with Input Function

The AMS210 is available in three different standard sized sewing areas: X: 130mm × Y: 60mm; X: 150mm × Y: 100mm and X: 220mm × Y: 100mm. The sewing machine flexibly supports the sewing of small to large articles depending on the sewing area ordered. In polo production the sewing machine's small sewing area promises ease of use when handling small articles such labels and emblems. The flexible machine design means that changes to the shape and size of labels is possible by simply replacing the material clamp and sewing data. Sewing data can be created and edit in Juki's PM-1 software easily. With this model your business will achieve higher productivity compared to manual label attachment with a standard lockstitch machine.



Model Name	AMS-210EN-HS	AMS-221EN-HL
Application	Medium-to-heavy-weight	Medium-to-heavy-weight
Max. sewing speed	2.800sti/min*	
Stitch length	0.1-127mm (0.05 step)	
Storage of pattern data in the memory	Main-body memory: Max. 500.000 stitches, 999 patterns (Max. 50.000stitches/pattern)	
	External media: Max 50.000.000 stitches, 999 patterns (Max. 50.000stitches/pattern)	
Needle	DPx17 (#18)	DPx17 (#18)

*stitch length is 4mm or less for the AMS-210EN and 3.5mm or less fot the AMS-221EN





GRAPHIC LABEL ATTACHING

JEUX CS-689

Pneumatic Flat Cool / Heat Press Machine

The JEUX CS-689 Heat press machine comes with a number of impressive features including: Color Touch Screen Control Panel, Software Upgrade, Both Hands Push Button Activation for Added Safety, Digital Pressure and Temperature Interlock, Unique Motorized Heat/Cool Change Over, Selectable Foot Pedal Activation, Key Locking Supervisor Mode and Self Lock Mode.

Model Name	JEUX CS-689
Power supply	AC 22V 50/60Hz 1ø
Heater Power	1200W
Compressed Air	> 0.4Mpa
Maximum Temperature	260°C
Timing Range	1-999 seconds
Upper Mold Area	610×100mm
Lower Mold Area	600×95mm
Dimensions	850mm L × 650mm W × 1550mm H
Machine weight	150kg



COLLAR ATTACHING

DDL-9000CFMS

Direct-drive, high-speed, sewing system with automatic thread trimmer

DDL-9000C new direct-drive, high-speed, lockstitch sewing system with automatic thread trimmer. The machine has been digitalized to allow for easy adjustment of settings such as the feed mechanism, thread tension and the feed locus, all through the operation panel. Perfect parameters needed to achieve a high quality seams can be achieved digitally and key conditions do not need to be manually adjusted. Thanks to the digitalization, optimum adjustment values required to produce high-quality seams can be stored on a material-by-material basis in the machines internal memory and can be reproduced with ease. For factories which produce diversified products using different materials, this feature is quite helpful to achieve stable seam quality in a time efficient manner.



Model Name	DDL-9000C-FMS	DDL-9000C-SMS
Type	Full Digital Type	Digital Type
Application	Medium-weight	
Lubrication	Semi-dry	
Max. sewing speed	5.000sti/min*1	
Hand switch	Provided as standard (At the time of shipment: Hand stitches are assigned respectively with touch-back switch function and the one-touch changeover switch function.)	
Max. stitch length	5mm	
Tread trimming method	Double-edge rotary system	
Needle bar stroke	30.7mm	
Feed dog height	0.8mm	
Needle thread tension	Active tension	Spring type
Presser foot pressure	Electronic control	Spring type
Lift on the presser foot	By hand: 5.5mm, By knee: 15mm Auto: 1 st stage 5.0 (0.1~8.5mm) 2 nd stage 8.5mm (8.5mm~13.5mm) Adjustable on the operation panel	
Needle*3	DBx1-DPX5(#11) #9~18(Nm65~110)	DBx1-DPX5(#11) #9~18(Nm65~110)
Bobbin thread winder	Built in the top of machine head (provided with the bobbin thread retaining plate)	
Lubricating oil	JUKI New Defrix Oil No. 1 or JUKI CORPORATION GENUINE OIL 7 (equivalent to ISO VG7)	

*1 Stitch length of 4.00mm or less: 5.000sit/min; Stitch length of 4.05-5.00mm: 4.000sti/min

*2 Stitch length of 4.00mm or less: 4.500sit/min; Stitch length of 4.05-5.00mm: 4.000sti/min

*3 Differs on a destination-by-destination basis

