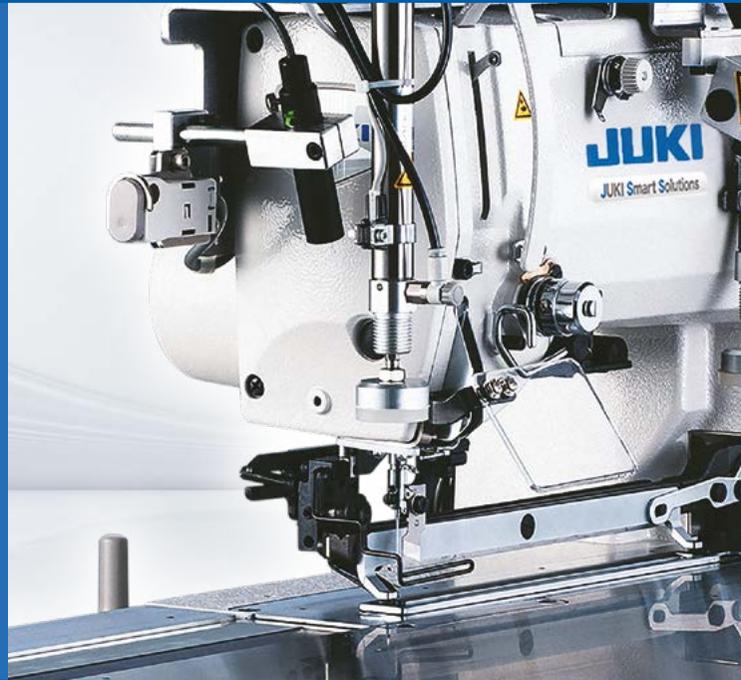


**SOLUTIONS FOR
POLO SHIRTS
PRODUCTION**





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 | LK-1903BN | | | 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 | DP×17 (#14) | DP×17 (#11) | DP×17 (#14) | TQx7 (#16) #14 ~ #20 |
| Remaining thread | standard | 2mm or less | standard | 3.5mm |

BUTTON HOLES

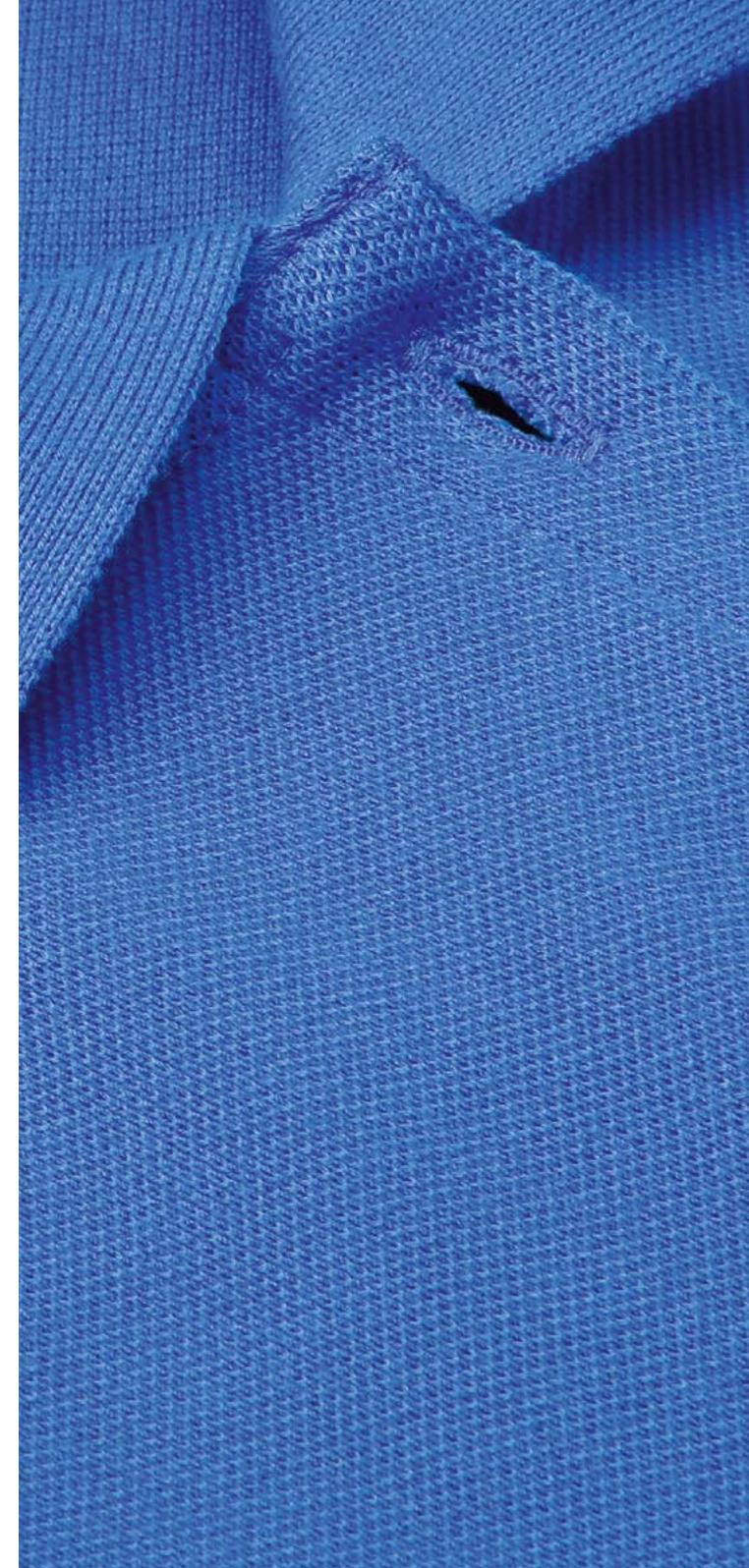
LBH-1790AN

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) | DPx5 (#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

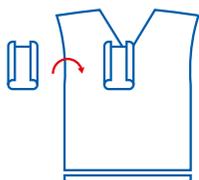
Juki PS800SB8045ANK- BB is a computer-controlled pattern seamer with 800 x 450mm sewing area size. It ensures sewing speed up to 3000 sti/min. and supports various materials. Machine guarantees high precision and quality together with easy operation. Model can be optionally equipped with a cutter such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

| Model Name | PS800SB8045ANK- BB |
|-------------------|---|
| Sewing area | 1,200 mm x 800 mm 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 |

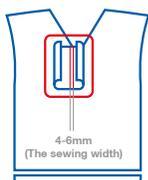
*40282879 Placket Device option



1. ATTACH PLACKET ON BODY

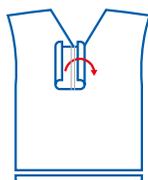


1.1. PUT PLACKET ON BODY

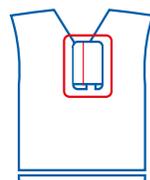


1.2. SEW PLACKET
4-6mm
(The sewing width)

2. TOPSTITCH UNDER PLACKET

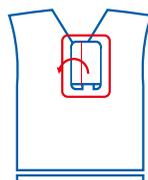


2.1. FOLD PLACKET

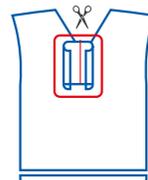


2.2. TOPSTITCH UNDER PLACKET

3. CUT PLACKET



3.1. OPEN PLACKET AFTER TOPSTITCH PROCESS



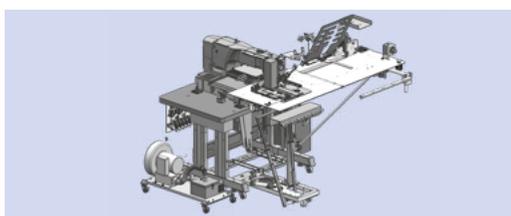
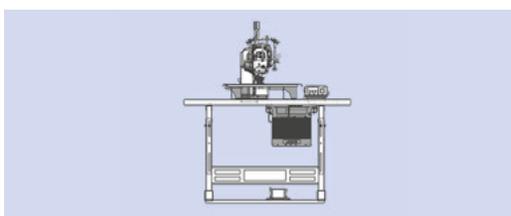
3.2. CUT PLACKET BETWEEN STITCH LINE

ALTERNATIVE MODELS

Model Name

LBH1796AS/X73223

AMS-221ENHS3020/PP220



Part number

40177344

Complete

Placket type

Single Placket

Single Placket

Cycle type

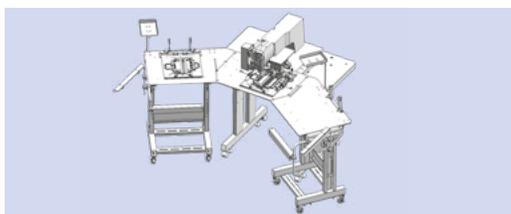
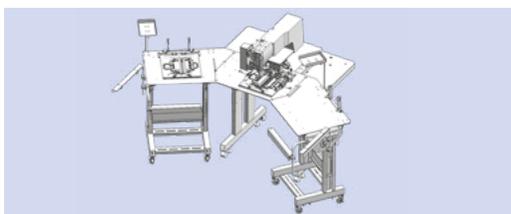
16 sec

19 sec

Model Name

AMS-221ENHS3020/PP110

AMS-221ENHS3020/PP120



Part number

72005200

40178676

Placket type

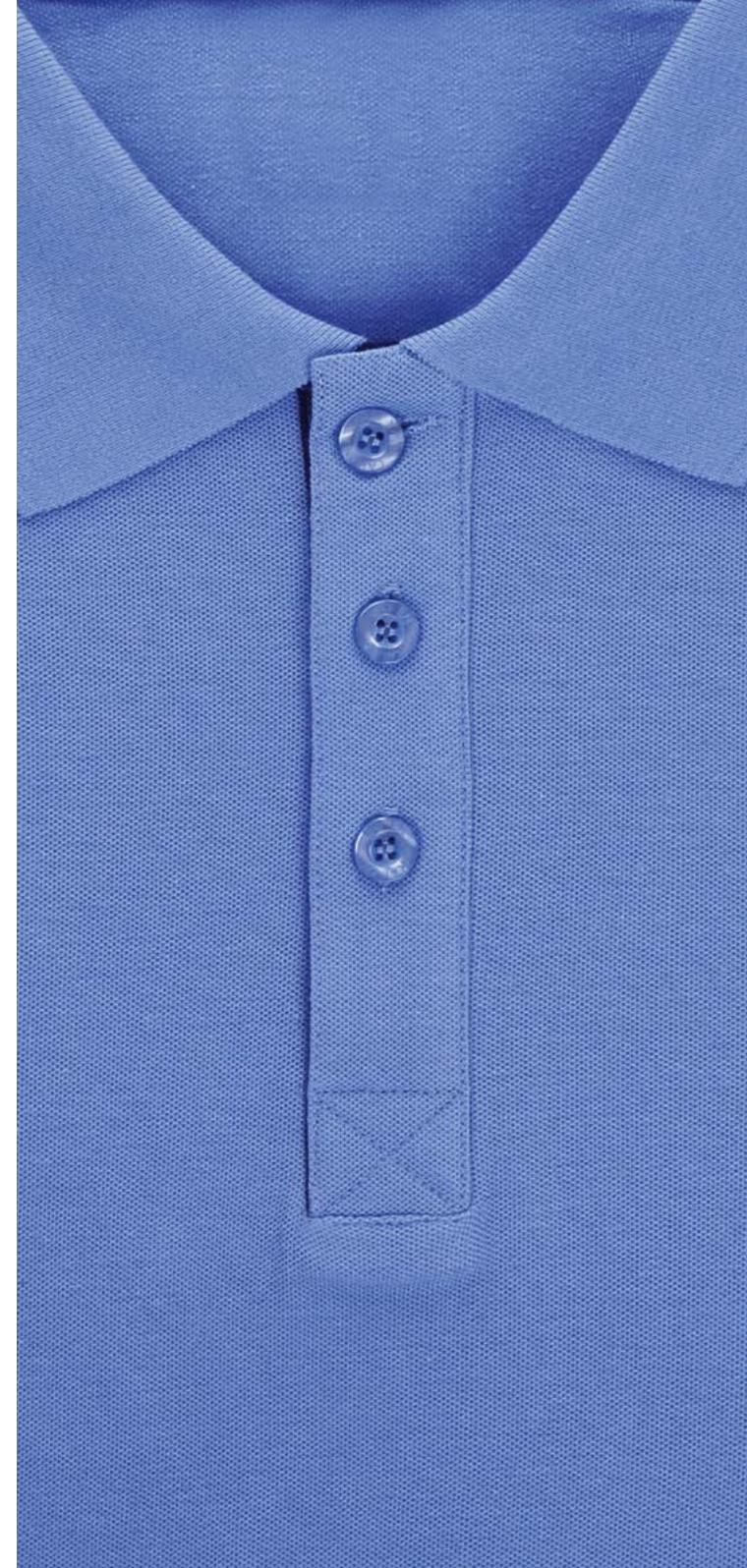
Single Placket Top Stitch

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 | DCx27 (excluding some subclass model) | | | |

SLEEVE HEMMING

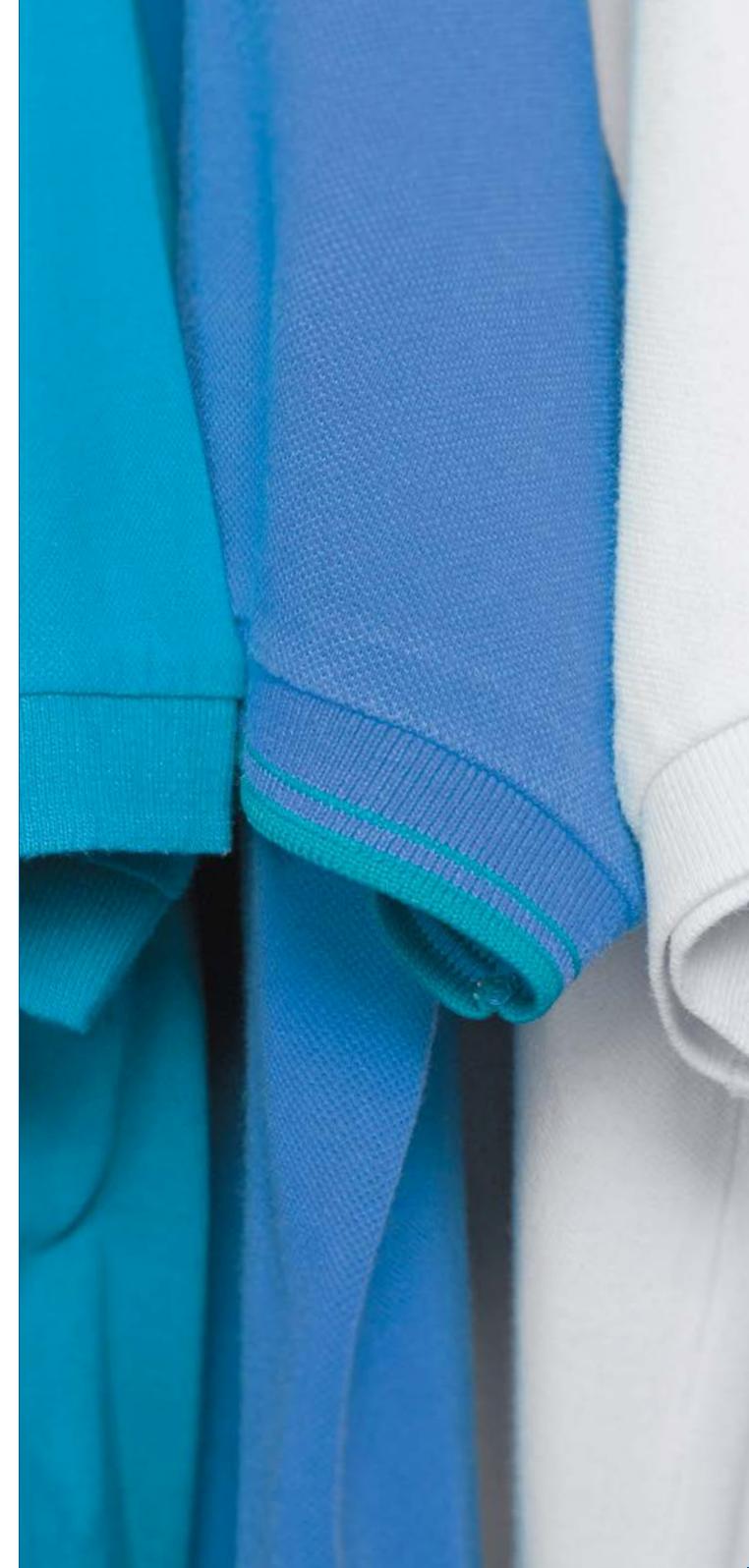
MF-7923U11B56/UT57

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 | DCx27 (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: 5.000sti/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 for 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

