

Twin needle lock stitcher

TN-840A • TL-840A Series

Twin needle lock stitcher with large hook

TN-870A Series

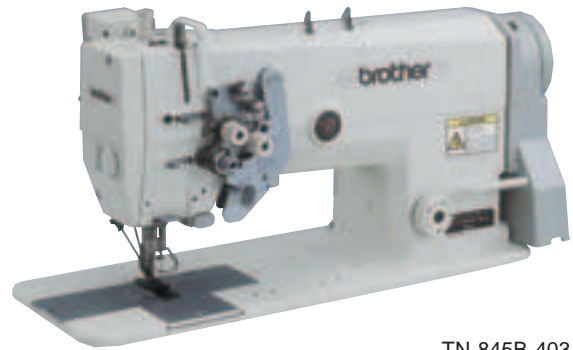
- Quieter operation
- Easier maintenance and operation
- Recirculating lubrication prevents oil staining
- Switching the machine to needle feed or drop feed (-C□□)

Twin needle lock stitcher with thread trimmer

TN-840B Series

Twin needle lock stitcher with large hook and thread trimmer

TN-870B Series



TN-845B-403

Excellent thread tightening without unbalance in the left and right seam

Thread tension ensures excellent thread tightening

Beautiful seams can be obtained with no unbalance in either the left and right seam widths or the thread tightening. Independently-operating thread take-up springs make finer adjustments to thread tension possible.



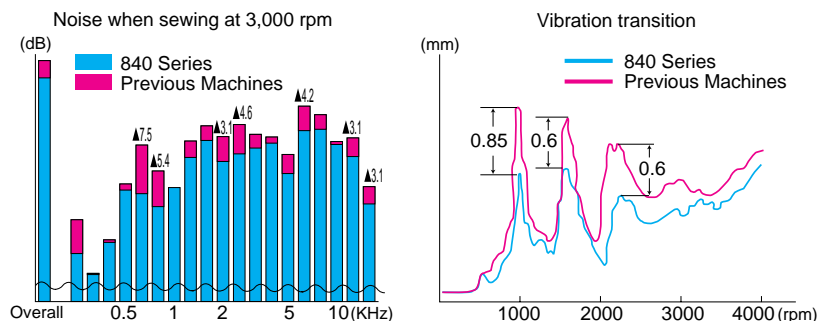
Stable thread trimming

A high-performance thread trimming mechanism has been adopted, thus ensuring clean thread trimming at all times and guaranteeing smooth swing and increased productivity by eliminating any problems at the sewing.



Quieter operation

A reduction in the weight of the thread take-up has provided more balanced rotation for the upper shaft, with the aim of overall prevention of machine noise and vibration.



Easy operation

Easy gauge replacement work

Tightening of the rotary hook base screws can be accomplished simply by inserting a screwdriver between the oil pan and the table.



Convenient window for checking bobbin winding amount

The amount of thread remaining on the bobbin can be seen at a glance, relieving the operator of worries about bobbin thread shortages and letting them concentrate on their work.



Easy adjustment

The feed rock shaft has been separated into two parts to make adjustment of the feed dog position easier. And a plate-type opener has been adopted so that the opener clearance can be more easily adjusted.



Simplifying the setting up the machine

The knee lifter bracket has been incorporated into the oil pan.

Recirculating lubrication prevents oil staining

Clean oil can be supplied at all times

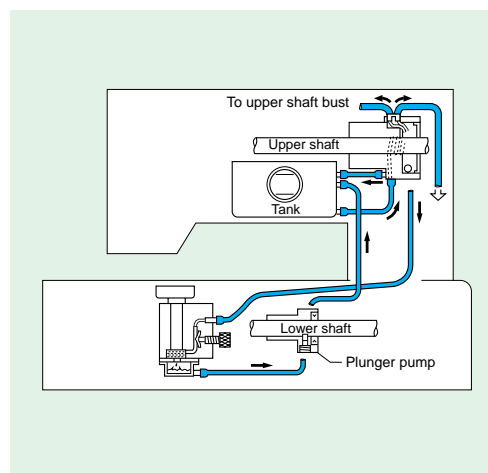
The unused oil in the rotary hook base is taken and returned to the oil tank by the lower shaft plunger pump. With the adoption of the tank lubrication system, oil from the oscillating system will not enter the tank and free of dust.

Prevents staining of the fabric from oil

Because all oil is supplied from the tank, no oil collects in the oil pan.

Reducing the number of times that oil needs to be replenished

The oil that was previously discarded is taken from the rotary hook base, conserving oil.



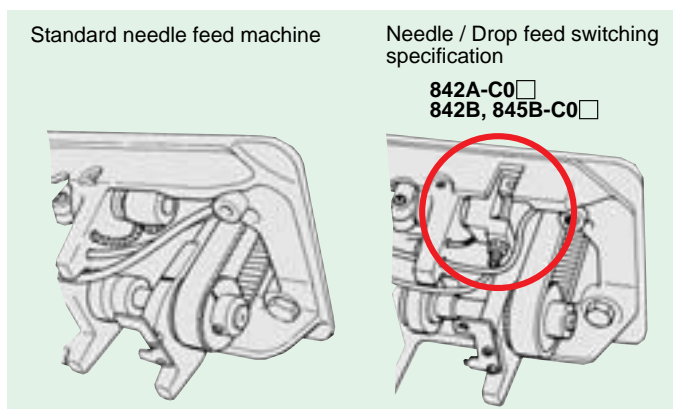
Switching the machine to needle feed or drop feed (-C□□)

Simple feed switching

The feed method can be switched from needle feed to drop feed or vice versa in accordance with the fabric being sewn, simply by changing the positions of the feed mechanism parts replacing the gauge parts.

Extremely useful for sewing light fabrics and undergarments

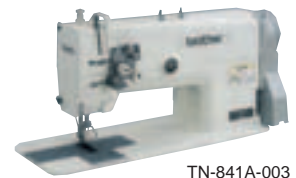
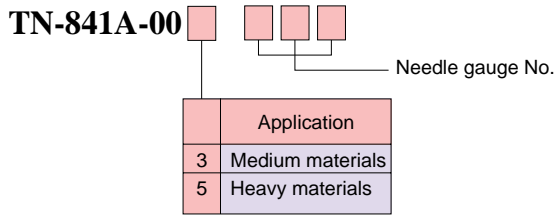
The machine parts enable low presser foot pressures and low thread tensions.



Specifications (Needle feed)

The standard model in the 840 series of sewing machines. It is suitable for a wide range of applications, from light material to heavy material.

Twin needle needle feed lock stitcher

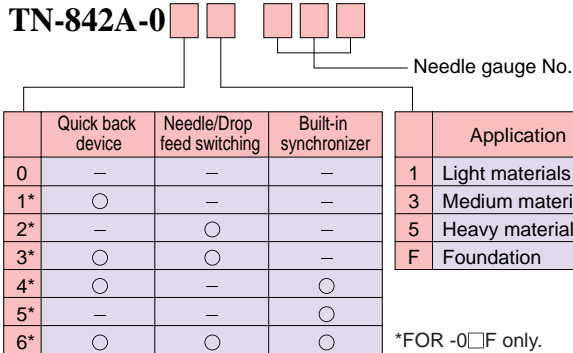


TN-841A-003

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
003	DP×5#14	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm
005	DP×5#22	5mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm

A needle feed sewing machine which is completely free from any unevenness in material feed and material puckering : suitable for fancy stitching for jeans, etc.

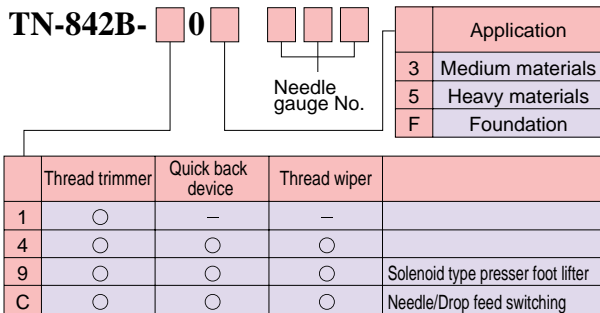
Twin needle needle feed lock stitcher



TN-842B-405

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
00F	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm
01F	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm
02F	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm
03F	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm
003	DP×5#14	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm
005	DP×5#22	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm

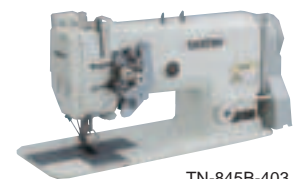
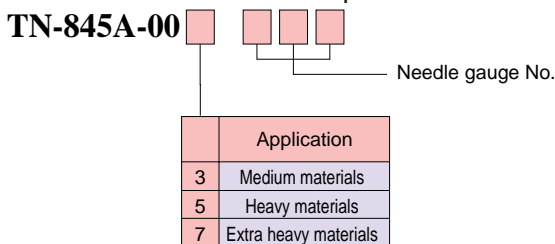
Twin needle needle feed lock stitcher with thread trimmer



Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
105	DP×5#22	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
403	DP×5#14	4mm	(presser bar lifter) 7mm (knee lifter) 10mm	4,000 rpm
405	DP×5#22	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
903	DP×5#14	4mm	(presser bar lifter) 7mm (Auto.) 8mm	4,000 rpm
905	DP×5#22	5mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
C0F	DP×5#11	4mm	(presser bar lifter) 7mm (Auto.) 8mm	4,000 rpm

A needle feed sewing machine with outstanding flexibility for corner stitching. Sewing operation can also be changed to differential sewing simply by moving a lever.

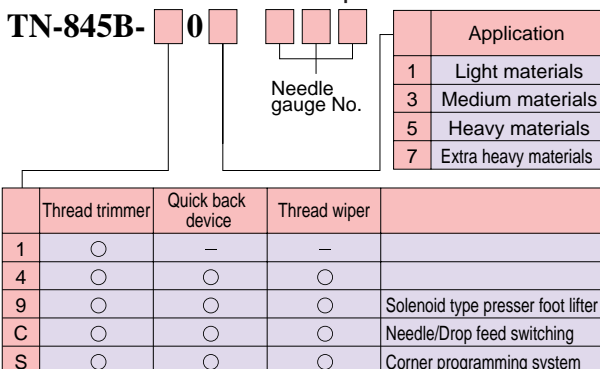
Twin needle needle feed split needle bar lock stitcher



TN-845B-403

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
003	DP×5#11	5mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm
005	DP×5#14	5mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm
007	DP×17#22	5mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm

Twin needle needle feed split needle bar lock stitcher with thread trimmer

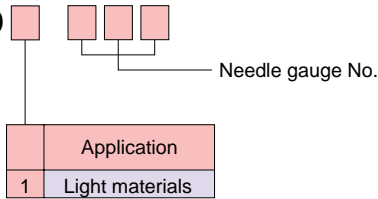


Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
103	DP×5#14	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
105	DP×5#22	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
403	DP×5#14	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
405	DP×5#22	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
407	DP×17#22	5mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
903	DP×5#14	5mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
905	DP×5#22	5mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
907	DP×17#22	5mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
C01	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
S05	DP×5#22	5mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm

Specifications (Drop feed)

This drop feed machine is ideal for sewing light fabrics.
Twin needle drop feed lock stitcher

TL-847A-00

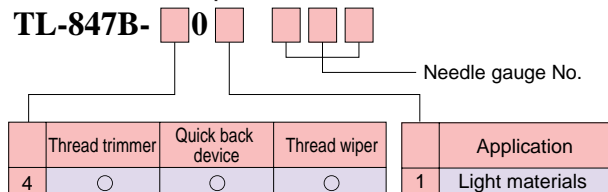


TL-847B-401

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
001	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	4,000 rpm

Twin needle drop feed lock stitcher with thread trimmer

TL-847B-00

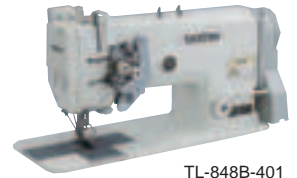
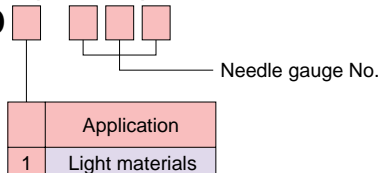


Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
401	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 10mm	4,000 rpm

This drop feed machine for corner sewing is ideal for using to sew light fabrics. Sewing operation can also be changed to differential sewing simply by moving a lever.

Twin needle drop feed split needle bar lock stitcher

TL-848A-00

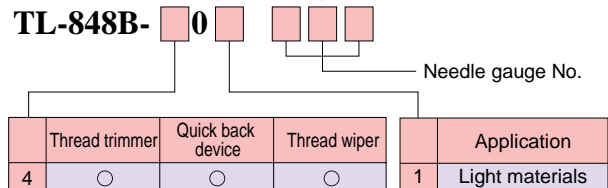


TL-848B-401

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
001	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm

Twin needle drop feed split needle bar lock stitcher with thread trimmer

TL-848B-00



Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
401	DP×5#11	4mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm

Needle gauge

Gauge No.	Model	841A	842A	842B	845A	845B	847A	847B	848A	848B	872A	872B	875A	875B
050* (0.5mm)		○	○											
016 (1.6mm, 1/16)		○	○											
020* (2.0mm, 5/64)				○										
024* (2.4mm, 3/32)				○		○						○		○
028* (2.8mm, 7/64)				○										
032 (3.2mm, 1/8)		○	○	○	○	○	○	○	○	○	○	○	○	○
040 (4.0mm, 5/32)		○	○	○	○	○					○	○	○	○
048 (4.8mm, 3/16)		○	○	○	○	○	○	○	○	○	○	○	○	○
056 (5.6mm, 7/32)						○								○
064 (6.4mm, 1/4)		○	○	○	○	○	○	○	○	○	○	○	○	○
071* (7.1mm, 9/32)						○								
079 (7.9mm, 5/16)		○	○	○	○	○	○	○	○	○	○	○	○	○
095 (9.5mm, 3/8)		○	○	○	○	○	○	○	○	○	○	○	○	○
111* (11.1mm, 7/16)		○	○		○	○								
127 (12.7mm, 1/2)		○	○	○	○	○	○	○	○	○	○	○	○	○
159 (15.9mm, 5/8)		○	○	○	○	○					○	○	○	○
191 (19.1mm, 3/4)				○			○	○						
200* (20.0mm, 25/32)							○							
222* (22.2mm, 7/8)				○			○	○						
254 (25.4mm, 1)		○	○	○				○				○		
286* (28.6mm, 1 1/8)				○										
318 (31.8mm, 1 1/4)		○	○					○				○		
349 (34.9mm, 1 3/8)											○	○		
381 (38.1mm, 1 1/2)		○	○	○								○		
508 (50.8mm, 2)		○	○											
550* (55.0mm, 2 1/6)		○	○											
680* (68.0mm)											○			
750 (75.0mm)		○	○											
770 (77.0mm)		○	○											

In case of using over 38.1mm gauge parts, it is required to make special machining on the arm-bed.

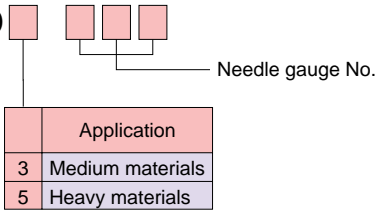
*Available as a special order.

Specifications (Needle feed, Large hook)

This needle feed sewing machine is equipped with a large size hook. It is ideal for a wide range of sewing requirements, from medium to heavy materials.

Twin needle needle feed lock stitcher with large hook

TN-872A-00

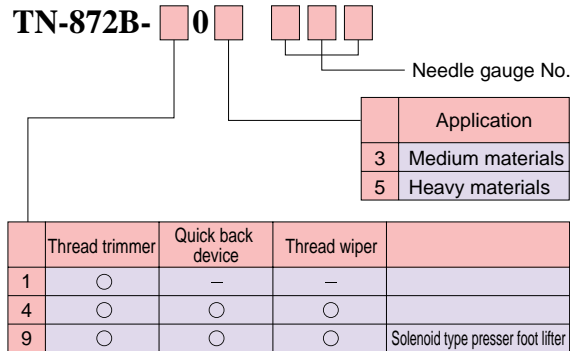


TN-872B-405

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
003	DP × 5#14	7mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm
005	DP × 5#22	7mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm

Twin needle needle feed lock stitcher with large hook and thread trimmer

TN-872B-0

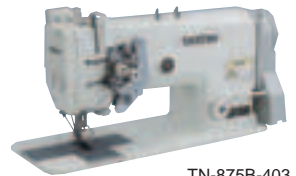
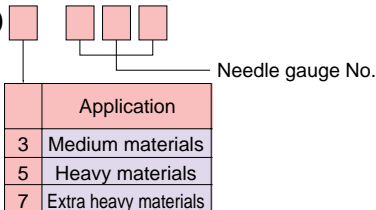


Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
105	DP × 5#22	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
403	DP × 5#14	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
405	DP × 5#22	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
903	DP × 5#14	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
905	DP × 5#22	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm

A large size hook used for corner stitching, especially suited to heavy material, eliminating uneven tension to provide a fine finish. Sewing operation can also be changed to differential sewing simply by moving a lever.

Twin needle needle feed split needle bar lock stitcher with large hook

TN-875A-00

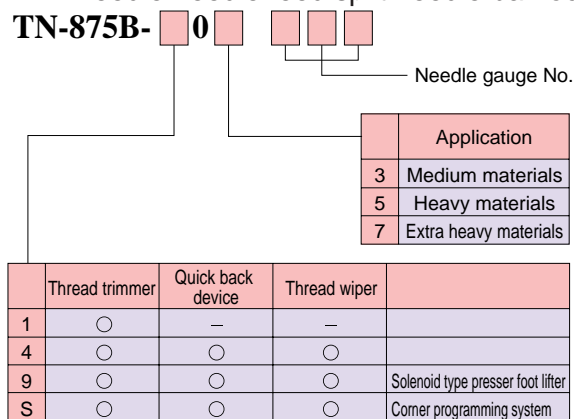


TN-875B-403

Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
003	DP × 5#14	7mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm
005	DP × 5#22	7mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm
007	DP × 17#22	7mm	(presser bar lifter) 7mm (knee lifter) 13mm	3,000 rpm

Twin needle needle feed split needle bar lock stitcher with large hook and thread trimmer

TN-875B-0



Spec.	Needle	Max. stitch length	Presser foot height	Max. sewing speed
105	DP × 5#22	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
403	DP × 5#14	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
405	DP × 5#22	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
407	DP × 17#22	7mm	(presser bar lifter) 7mm (knee lifter) 10mm	3,000 rpm
903	DP × 5#14	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
905	DP × 5#22	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
907	DP × 17#22	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
S03	DP × 5#14	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
S05	DP × 5#22	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm
S07	DP × 17#22	7mm	(presser bar lifter) 7mm (Auto.) 8mm	3,000 rpm

Options

Operation Panels

Operation panel is available in 3 types of wide variation such as F-100, F-40 & F-20, which can be selected to be attached according to sewing application required also can be easily exchanged in this variation.

F-20



F-40



F-100



Switch		Panel	F-100	F-40	F-20
Basic Function	AUTO	Automatic sewing	○	○	○
	A/B/B'	Start backtack	○	○	○
	C/D/B'	End backtack	○	○	○
	A/B/C/D	Continuous backtack	○	○	—
	↓	Correction sewing	○	○	○
	↓/↑	Half stitch	○	○	○
	⊖	Sewing speed setting	○	○	○
	↷	Slow start sewing	○	○	○
	⏸/⏹	Needle up stop/ Needle down stop	○	○	○

Switch		Panel	F-100	F-40	F-20
Pattern Sewing	↓	Normal lock stitch	○	○	○
	↓E	Fixed stitch	○	○	○
	E/F/E	Name label stitch	○	○	—
	↓/↑	Pleats presser stitch	○	○	—
	PATTERN	Pattern stitch	○	—	—
Pattern Setting	✂	Automatic thread trimming	○	○	○
	↑	Automatic presser foot lifting	○	—	—
	BACK	Back stitch	○	—	—
	CONTINUE	Continuous stitch	○	—	—
	DELETE	Step deletion	○	—	—
	INSERT	Step insertion	○	—	—
	FREE	Temporarily cancel programming sewing	○	—	—

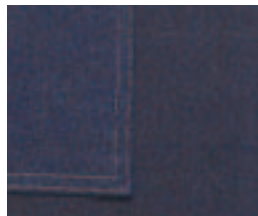
Applications

Main applications

Shirts, trench coats, ladies' undergarments, jeans, etc.

Main sewing processes

Shirt front stitches, cuff stitches, collar stitches, pocket flap stitches, back center stitches, shoulder strap stitches for trench coats, sleeve strap stitches, pocket seaming, pocket close seaming, brassiere cup stitches, front stitches for jeans, leg seams for jeans



brother
BROTHER INDUSTRIES, LTD.

15-1, Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan.
Phone: 81-52-824-2177 Fax: 81-52-811-7789 <http://www.brother.com/>