

# Programmable electronic pattern sewer with cylinder bed

**BAS-341F** 250 × 150mm

**BAS-342F** 300 × 200mm

- High-speed and high-precision sewing
- Minimum resolution 0.05 mm
- Create programs just by choosing icons
- Easy-to-use operation panel contains only the keys you need
- Input/output settings can be programmed to suit the sewing task



BAS-342F

*Provides attractive finishes with no seam misalignment even at high speeds*

## High-quality sewing

### High-speed and high-precision pattern sewing

The adoption of a linear guide gives greater rigidity to the sewing mechanism. Parallel stitches, double stitches and multiple stitches can all be sewn at even widths even at high speeds. It also prevents seam misalignment when sewing at high speeds. This model is ideal for decorative stitching of shoes and bags. (Patent pending)

### Minimum resolution 0.05 mm

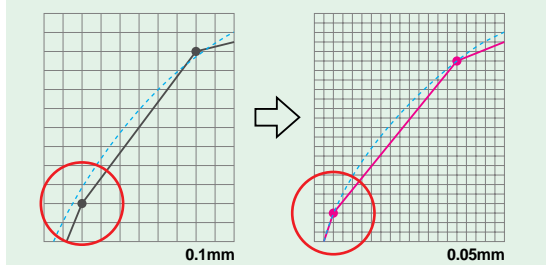
The feeding data can be set to a high resolution of 0.05 mm per pulse. This makes it possible to produce beautifully smooth curves and diagonal lines.

### Accurate home position detection

Detecting the home position is carried out accurately by a magnetic sensor which is not affected by oil stains or dust.



Resolution image (--- Ideal curve, ●●● Stitch point)





## Ample stitch capacity

A single pattern containing up to 20,000 stitches, and a maximum of 100 patterns (360,000 stitches) can be stored on a single 2HD floppy disk. Furthermore, a single pattern can also be divided into 100 separate patterns, and each of these 100 patterns can be further divided into 100 patterns for giving total of 10,000 selectable patterns. This machine can also read embroidery data (TFD). When reading such embroidery data, up to 50,000 stitches can be sewn per pattern.

## Designed for quietness and greater comfort

The impact noises caused by the thread wiper have been reduced to 78.5 dB. So that a much greater impression of quietness is experienced. This machine have been particularly designed for improved comfort in the operating environment.

## Stable feed operation

A switching (regulated) power supply ensures that operations such as feeding are protected from fluctuations in the power supply voltage. If abnormal fluctuations should occur, operation stops automatically and an error code appears on the screen.

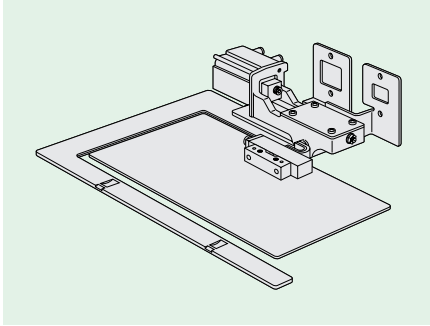
## Greater durability

The adoption of a new lubrication system provided greatly improved durability even under severe conditions involving long continuous operation at high speeds and sewing many stitches.

# Options

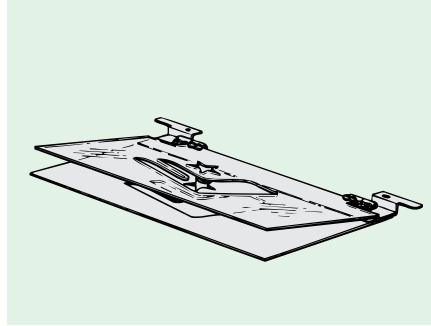
## Inner clamping device

It is suitable to use for sewing around labels, hook and eye tape; operates by air together with the outer presser, so material slippage will not occur.



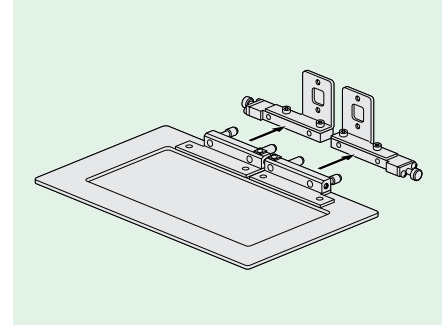
## Cassette work clamp

It is suitable to use two cassette clamps. The operator can set next material while sewing is in progress. Overlapping operations are thus possible, which can greatly boost productivity.



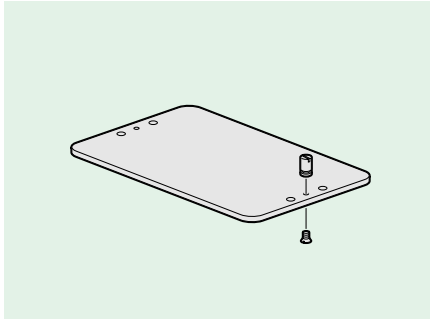
## One-touch work clamp

Allows the clamp to be replaced quickly and easily, without the need for extra tools. Positioning adjustment is also no longer necessary.



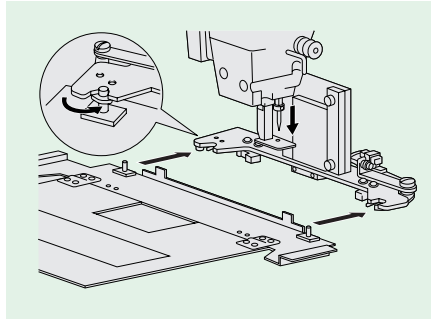
## Work clamp plate, OT

Use in order to provide an even clamping pressure. The work clamp is made from plastic so that pattern shape processing is also easy and positioning is simple.



## Automatic ejector

When the cassette is detected by the sensor, the cassette is held automatically by a pneumatic cylinder. In addition, the programs can be set so that the cassette is ejected automatically. This improves productivity because the operator can hold two cassettes so as to prepare for the next sewing task while the first is still underway.



## Upper thread nipper

This device holds the upper thread after thread trimmings. It stops the thread from tangling on the reverse side of the material, thus giving a better sewing finish. It also prevents the thread pulling out of the needle at the sewing start.



## Air wiper (vertical wiper)

This thread wiper is driven by a pneumatic cylinder. It can be used when the thread cannot be pulled out from the material when sewing extremely thick materials.



## Needle cooler

This is a pneumatic needle cooler which prevents the thread breakage due to heat. It is particularly useful when sewing thicker materials and when sewing at high sewing speeds.



## Two-step thread tension device

This allows the upper thread tension to be switched between two settings at any desired time by using the programmer. It can be used to produce attractive finishes when the thickness of the material changes during the course of a single pattern, such as if there is a joint, or if the sewing direction changes.



### Beam-type thread breakage detector

The beam-type detector is ideally suited for cases where low upper thread tensions are used, such as when embroidering one-point patterns.



### Automatic bobbin changer

When the amount of remaining bobbin thread becomes low this device automatically replaces the bobbin. This reduces the need for tasks such as checking the amount of bobbin thread and replacing bobbins, so that productivity can be increased. It is extremely useful when sewing products where thread joining is not possible and when sewing decorative stitching.



### PS-3000 Programming software for electronic pattern sewer

This creates new sewing patterns using a personal computer. The pattern data is saved to a floppy disk, so that the patterns can be sewn later simply by inserting the disk into the pattern sewer.



### 2-step work clamp device

When there is difference in thickness of a work piece within one pattern, for example, when the work piece includes joints to be sewn, the 2-step work clamp device changes the height of the presser foot in your desired option. This prevents stitches from skipping and ensures that high sewing quality is always maintained.



### Milling device

This device directly uses sewing data to create work clamps, so that the clamps ideally suit the sewing task, and sewing is also possible with the device still installed. The cutting depth can be easily adjusted, and the channels in the lower and upper cassette plates can also be changed during processing. In addition, scraps are removed automatically.



### Triple standing operation pedal

In addition to a start pedal, the right and left pedals operate independently which allows positioning with even greater precision.











# Specifications

## BAS-341F-0

Application		Work clamp drive		Work clamp type	
1	Heavy materials	A	Pneumatic type	1	Unit work clamp
2	Medium materials			2	Separate work clamp

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Model	 Lock stitch	 Double hook	 Sewing area	 Stitch length	 Thread trimmer	 Thread wiper	 Max sewing speed	 Air consumption
BAS-341F	★	2	250 × 150mm	0.05-12.7mm	★	★	2,500rpm*	0.5Mpa 1.8 l/min
BAS-342F	★	2	300 × 200mm	0.05-12.7mm	★	★	2,500rpm*	0.5Mpa 1.8 l/min

\* When stitch length is 3mm or less.

Sewing machine	Lock stitch pattern tacking sewing machine (with double hook)
Feed mechanism	Intermittent feed, pulse motor drive
Data storage media	3.5 floppy disk 2HD/1.44MB, (2DD read only)
No. of stitches	20,000 stitches per pattern (max. 100 patterns, 360,000 stitches/2HD floppy disk)
Minimum resolution	0.05 mm
Needle type	DP × 5, DP × 17, MR
Height of work clamp	Max. 30 mm (pneumatic)
2-step work clamp	Separate work clamp
Height of stepping presser foot	18 mm
Stepping presser foot stroke	0, 3(factory setting) - 8 mm
Upper thread breakage detector	Rotary type
Test function	Operation test function provided for use with low speed drive
Safety devices	Automatic stop function for activation in the event of misoperation realized with intermediate stop function and safety circuits
Power table	T-shaped for sitting or standing use
Machine dimensions	BAS-341F: 1,200 W × 1,220 D × 1,180 - 1,450 H mm BAS-342F: 1,200 W × 1,270 D × 1,180 - 1,450 H mm
Weight	215 kg(single-phase), 210 kg(3-phase 400V), 205 kg(3-phase 200V, 380V) Machine head: 80 kg, Control box: 20 kg(single-phase), 15 kg(3-phase 400 V), 10 kg(3-phase 200 V, 380 V)
Power supply	Single-phase 110 V, 220 V, 230 V, 240 V 3-phase 200 V, 380 V, 400 V 900VA
Motor	3-phase 400 W induction motor
Pattern editing functions(option)	Line, curve, circle, arc, zigzag stitch, double stitch, multiple stitch, parallel stitch, offset, resizing, rotating, etc.

Product specifications are subject to change for improvement without notice. Please read instruction manual before using the machine for safety operation.

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