

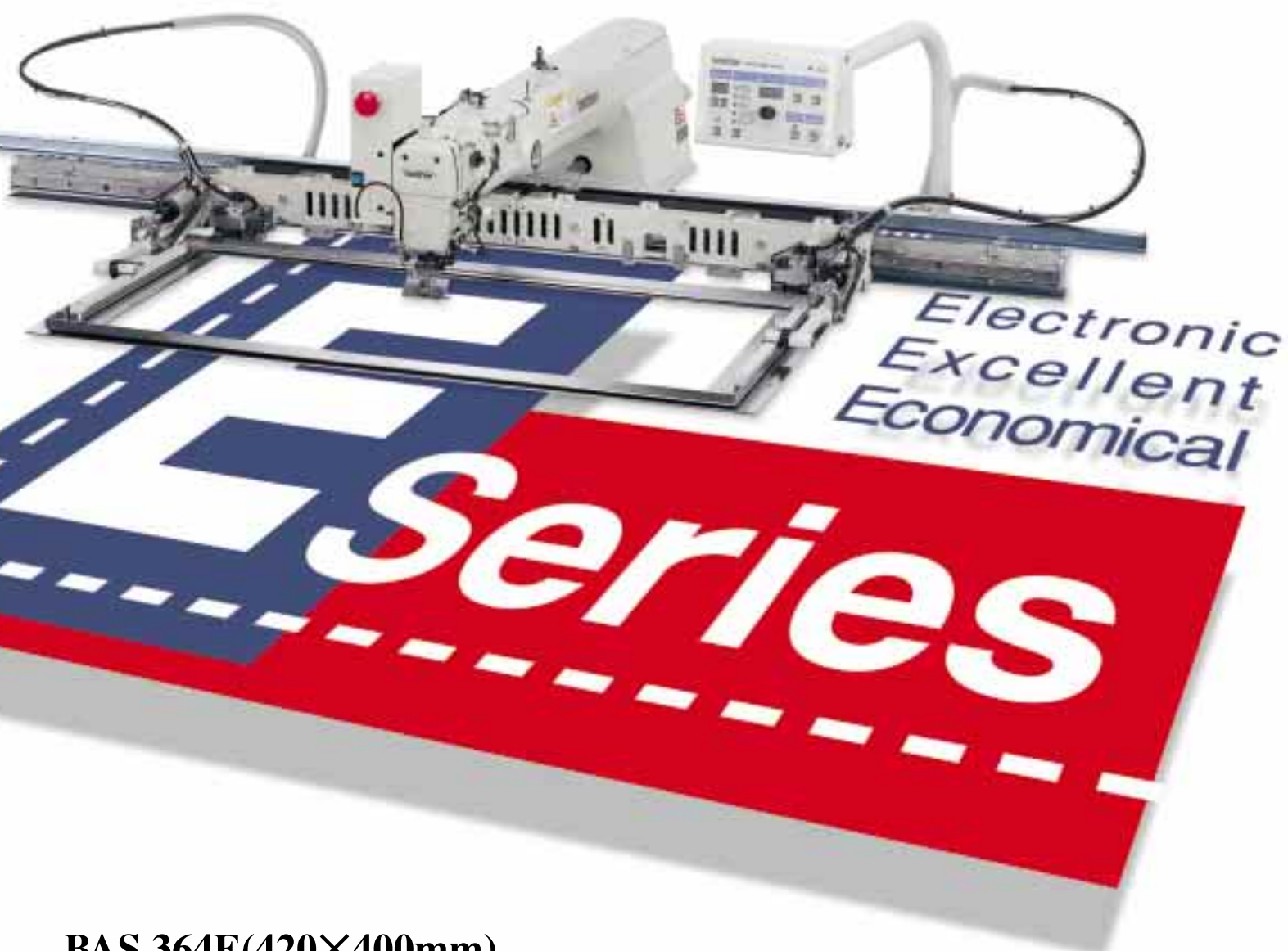
Programmable Electronic Pattern Sewer with Cylinder Bed

BAS-300E Series

brother

BAS-364E·366E·370E·375E

Many different patterns can be programmed easily, and anyone can efficiently create high-quality sewing finishes.



BAS-364E(420×400mm)
BAS-366E(650×400mm)
BAS-370E(800×400mm)
BAS-375E(1,200×400mm)

Many different patterns can be programmed easily, and anyone can efficiently create high-quality sewing finishes.

Viele verschiedene Muster lassen sich einfach programmieren und mit hoher Qualität nähen.

De nombreux motifs différents peuvent être facilement programmés et n'importe qui peut créer efficacement des finitions de couture de haute qualité.

Se pueden programar diferentes patronos con facilidad, y cualquiera puede crear terminaciones de costura de alta calidad con eficiencia.

This electronic lockstitcher is ideal for sewing large-sized patterns onto heavy-weight materials such as natural and synthetic leather articles and air bags. The upper shaft torque has been increased to make it easier to sew heavy-weight materials. Accurate sewing performance can be obtained even for articles such as air bags which are normally difficult to sew.

Furthermore, the adoption of radical new technology greatly improves ease of use and reliability, and also boosts cost performance and productivity and enhances the quality of the finished article. This results in a great overall improvement in the working environment.

BAS-375E

Sewing area

1,200x400 mm

BAS-370E

Sewing area

800x400 mm

BAS-366E

Sewing area

650x400 mm

BAS-364E

Sewing area

420x400 mm



BAS-370E



BAS-364E-0A
(Air bag)

PROGRAMMABLE ELECTRONIC PATTERN SEWER WITH CYLINDER BED

ELEKTRONISCH-FREI-PROGRAMMIERBARER STEPPSTICH-ZYLINDERARM-VOLLAUTOMAT

AUTOMATE DE COUTURE PROGRAMMABLE-BRAS CYLINDRIQUE

AUTOMATA ELECTRONICA PROGRAMABLE DE BASE CILINDRICA



1. Higher speed

Max. sewing speed **3,200** rpm*
Feed speed **500** mm/s

The feed speed is fast 500mm/s. This greatly reduces handling time and make sew cycle faster.

* Continuous feed, stitch length :3mm or less

2. Higher precision

Minimum resolution **0.05** mm/1 pulse

A linear guide is used in the feed mechanism, so that 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. In addition, detecting the home position is carried out accurately by a magnetic sensor which is not affected by oil stains or dust.

3. Higher capacity

Max. number of stitches **20,000** stitches /1 pattern
360,000 stitches /100 patterns

A single pattern can also be divided into 100 separate patterns, and each of these 100 patterns can be further divided into 100 patterns, giving a total of 10,000 selectable patterns. The E series can also read embroidery data(TFD).

4. Lower noise

The adoption of an AC servomotor and a double-capacity rotary hook make machine operation quiet. This sewing machine has been designed with operator comfort in mind.

5. Greater performance

A blue back-lit LCD which is easy to read and relaxing for the eyes has been adopted. All kind of sewing data can be created easily, just by selecting icons on a screen. An image of the sewing data appears on the LCD panel during data editing, so that the pattern being programmed can be checked at a glance. The programmer generates not only error codes, but full messages that list the nature of the problem and the method of resolving the problem.



6. Greater comfort



The minimum number of keys that are necessary for normal sewing operations are located on the simplified operation panel, along with an easy-to-see LED display. The operator can position the operation panel where it is most convenient to use.

Features of the BAS-370E series



Power boost for heavy-weight materials
Gesteigerte Leistung für schweres Nähgut
Suralimentation pour les tissus lourds
Mayor potencia para costura de materiales pesados

The power of the sewing machine motor has been increased to 750 W and the torque has also been increased, thus giving a boost to the needle penetration force. This gives greater precision and better performance, particularly when sewing heavy-weight materials.



Auto-eject cassette mechanism
Automatischer Kassettenauswurf
Dispositif d'éjection automatique de cassette
Mecanismo de expulsión automática de casete

When the cassette is brought close to the feed mechanism, it is detected by a sensor and is attached automatically. Then when sewing is finished, the cassette is ejected automatically.



Improved thread trimming precision
Verbesserte Fadenabschneidepräzision
Précision améliorée de l'ébarbage du fil
Cortahilos de alta precisión

Thread trimming is accurately carried out even in the hitch stitch area where thread trimming errors can often occur. Thicker threads of up to #4 count can even be cut.



Stepping foot easily handles material joints
Der Steppfuß garantiert eine saubere Verarbeitung bei Stoffübergängen
La pédale de pied manie facilement les joints de tissus
Prensatelas para coser uniones de materiales con facilidad

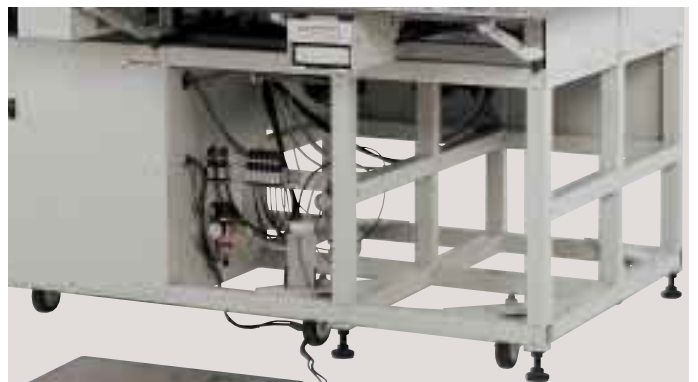
The stroke of the stepping foot can be adjusted smoothly to any height between 3.2 mm and 7.2 mm to suit the material being sewn.



Steady and accurate starting
Präziser Nähbeginn
Début de couture régulier et précis
Comienzo de costura estable y precioso

The needle thread presser presses the needle thread to prevent the thread being fed out from the tension disc at the feed time after thread trimming. (Standard equipment)

Beam sensor type needle thread breakage detector is equipped as standard.



Greater ease of maintenance
Erleichterte Wartung
Plus grande facilité d'entretien
Mantenimiento más fácil

The side cover has been changed so that it only covers the parts that need to be covered. This makes removal simpler and gives an overall improvement to the ease of carrying out maintenance.

Optional



Stepping foot control device

The height of the stepping foot above the needle plate can be programmed at seven different settings between 0-6 mm (1mm increments). The height of the stepping foot can be changed during the sewing of a pattern if the article being sewn is not of a uniform thickness.



Two-stage thread tension device

It is possible to set two different degrees of thread tension for sewing a single pattern in which there are differences in sewing direction or material thickness, resulting in a more beautiful finish.



Jig pattern sensor

This sensor reports an error if the shape of the work clamp is not compatible with the programmed sewing pattern. This prevents interruptions such as those caused by bent needles from occurring.



Bottom plunger

This prevents the material from moving up and down as a result of needle penetration when using a cassette-type clamp. It is particularly useful in preventing skipped stitches from occurring when sewing thin materials. It also makes sewing of materials with small narrow edges and sewing margins easier.



Automatic bobbin changer

The bobbin is replaced automatically before the bobbin thread runs out. This eliminates the need to continually check the amount of bobbin thread remaining and reduces the number of times you need to change bobbins. This feature is extremely useful in cases where joining the thread is not possible, and it increases productivity dramatically.



Sub clamp

The sub clamp mechanism is useful when the main clamp cannot sufficiently hold the material by itself. The sub clamp firmly supports the main clamp all the time, resulting in stable and uniform sewing (BAS-370E/375E only)



BAS-PC/300 Programming software for electronic pattern sewer









This is a software program which creates new sewing patterns using a personal computer. This 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.

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 by means of an adjustment dial, and the channels in the lower and upper cassette plates can also be changed for processing. In addition, scraps are removed automatically.

BAS-300E Series

Specifications

Model	 Lock stitch	 Double hook	 Height of presser foot	 Sewing area X-Y	 Stitch length	 Thread trimmer	 Max. sewing speed	 Air consumption
BAS-364E	★	2	50mm	420 × 400mm	0.05-12.7mm	★	2,000rpm*1 3,200rpm*2	1.8 l/min
BAS-366E				650 × 400mm				
BAS-370E				800 × 400mm				
BAS-375E				1,200 × 400mm				

*1 (Intermittent feed, Stitch length: 3mm or less)
*2 (Continuous feed, Stitch length: 3mm or less)

Sewing machine	Lock stitch, Double rotary hook, Long arm machine
Feed mechanism	X direction: Timing belt, spline drive method Y direction: Timing belt drive method
Data storage method	3.5 floppy disk 2HD/1.44MB, 2DD
No. of stitches	20,000 stitches per pattern (Max. 100 patterns, 360,000 stitches/2HD floppy disk)
Minimum resolution	0.05mm
Needle type	DP × 17, MR
Intermittent stroke	0, 3.2 (Factory setting) – 7.2 mm
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

Air pressure	0.5 MPa
Weight	BAS-364E: Approx. 400kg BAS-366E: Approx. 400kg BAS-370E: Approx. 600kg BAS-375E: Approx. 600kg
Machine dimensions	BAS-364E: 1,100 W x 1,624 D x 1,868 H mm BAS-366E: 1,557 W x 1,624 D x 1,868 H mm BAS-370E: 1,820 W x 1,625 D x 1,868 H mm BAS-375E: 2,620 W x 1,625 D x 1,868 H mm
Power supply	3-phase 220V, 380V, 400V 1kVA
Motor	AC servo motor 750 W
Pattern editing functions	Line, curve, circle, arc, zigzag stitch, double stitch, parallel stitch, offset, resizing, rotating, etc.

BAS-364E-0

Application	
1	Heavy materials
2	Medium materials
A	Air bag

BAS-370E-0

Application	
1	Heavy materials
2	Medium materials

BAS-366E-0

Application	
1	Heavy materials
2	Medium materials

BAS-375E-0

Application	
1	Heavy materials
2	Medium materials

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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