

## Brother Continues to Drive a New Era of Product Excellence and Industry Change

Since its inception in 1908, Brother has been at the forefront of product innovation, dedicated to delivering superior and innovative sewing technology to our customers.

While these innovative changes have now become the industry standard, our never-ending spirit of challenge and innovation inherited from our ancestors have helped us surmount many challenges in the marketplace and continue striving for product excellence.

It is with this spirit of pride and dedication that we introduce our new line of NEXIO industrial sewing machines.

This new brand name is derived from the words "Next" and "Society," combining our vision to drive a new era of industry change with continual dedication to innovative product development, as well as our continued company commitment to forging strong customer relationships by being "At your side."

### Specifications/

#### BAS-311HN-0 ■ BAS-326H-0 ■ A BAS-341H-05A BAS-342H-05A

Application	Work clamp	Application	Work clamp	Application	Work clamp	Application	Work clamp
3 Medium materials	S Motor-driven work clamp	3 Medium materials	A Pneumatic work clamp	5 Heavy materials	A Pneumatic work clamp	5 Heavy materials	A Pneumatic work clamp
5 Heavy materials	A Pneumatic work clamp	5 Heavy materials	A Pneumatic work clamp	5 Heavy materials	A Pneumatic work clamp	5 Heavy materials	A Pneumatic work clamp
7 Seat belt		7 Seat belt		7 Seat belt		7 Seat belt	

	BAS-311HN	BAS-326H	BAS-341H	BAS-342H
Stitch form	Single needle lock stitch			
Max. sewing speed	2,800sti/min*1			
Max. sewing area	150 x 100mm	220 x 100mm	250 x 160mm	300 x 200mm
Feed mechanism	Intermittent feed(pulse motor drive)			
Stitch length	0.05-12.7mm(per 0.05mm)			
Max. number of stitches	20,000 stitches (per program)			
Max. number of programs	999			
Work clamp drive	-S:Pulse motor drive -A:Pneumatic drive		Pneumatic drive	
Work clamp lift amount	-S:Max. 25mm -A:Max. 30mm		Max. 30mm	
2-step work clamp	-S:Integrated-type work clamp -A:Separate-type work clamp		Separate work clamp	Unit work clamp
Height of stepping presser foot	22mm			
Stepping presser foot stroke	2-4.5mm, 4.5mm-10mm or 0(Default setting: 3mm)			
Hook	Double-capacity shuttle hook			
Thread wiper	Standard equipment			
Thread trimmer	Standard equipment			
Digital tension	Standard equipment (excluding the seat belt specification)			
Thread breakage detector	Standard equipment			
Data storage media	Internal flash memory(Data addition is available with external memory)			
Motor	AC servo motor 550W			
Weight	Machine head:Approx. 88kg Control box:Approx. 9kg	Machine head:Approx. 166kg Control box:Approx. 18kg	Machine head:Approx. 174kg Control box:Approx. 18kg	
Power	Single phase 100V/200V 3-phase 200V/220V/380V/400V		Single phase 220V 3-phase 200V/220V/380V/400V	
Air pressure /Consumption	0.5MPa 1.8 l/min			

#### Optional parts/

- Needle cooler-SA5559101>\*2
- Inner clamping device(BAS-311HN/326H only)-SA7189101>\*2
- Automatic ejector(BAS-341H/342H only)-SA9147001>
- 2-step thread tension device-SA7197101>
- Option manifold 5 set-SA7500001>
- Optional solenoid valve set-SA7171001>

#### Peripheral equipment/

- Sewing data programming software PS-300B



#### RoHS Compliant

BAS-311HN/BAS-326H/341H/342H are compliant with the RoHS Directive(the restriction of the use of certain hazardous substances in electrical and electronic equipment) which came into effect in the EU in July 2006.



Brother has established voluntary environmental standards for products and created the "Brother Green Label". BAS-311HN/BAS-326H/341H/342H are certified as an environment-conscious sewing machine according to the "Brother Green Label" standard.



Working with you for a better environment  
www.brother-earth.com

Please read instruction manual before using the machine for safety operation.  
-Product specifications are subject to change for improvement without notice.  
-Photographs are for illustration purpose. They may not represent actual operating conditions and may display optional parts.

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# BAS-311HN BAS-326H

150mm x 100mm 220mm x 100mm

# BAS-341H BAS-342H

250mm x 160mm 300mm x 200mm

## Direct Drive Programmable Electronic Pattern Sewer with Cylinder Bed

The machines provide the highest quality sewing exactly the way it is programmed even at high speed sewing with maximum performance according to each sewing area.

With the high functional LCD touch panel that offers easy programming, the preparation time can be reduced.



# NEXIO

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# Superior Quality and High Speed

The machines provide the highest quality sewing exactly the way it is programmed even at high speed sewing with maximum performance according to each sewing area. With the high functional LCD touch panel that offers easy programming, the preparation time can be reduced.



## 1 World's Top-class Sewing Speed of 2,800sti/min with High Quality Sewing

High-rigid feeding commands beautiful stitching even at high-speed sewing

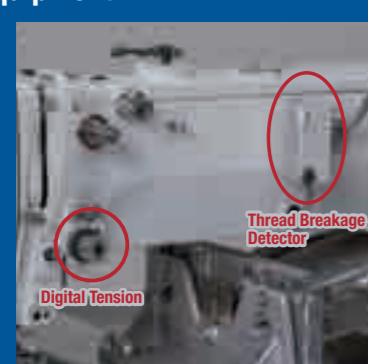
Higher rigid feed mechanism was adopted while achieving the world's top-class sewing speed of 2,800sti/min. With its accurate stitch point, the machine can perform beautiful stitching with stable thread tightening.



Sewing speed: 2,800sti/min, stitch length: 4mm

## Digital Tension\* and Thread Breakage Detector as Standard Equipment

The upper thread tension can be digitalized with the Digital Tension, providing stable stitching. No more relying on individual feel. When thread breakage is detected, sewing operation is stopped automatically and a warning is given to the operator, leading to the less detectives.



\*Seabelt specifications is not included.

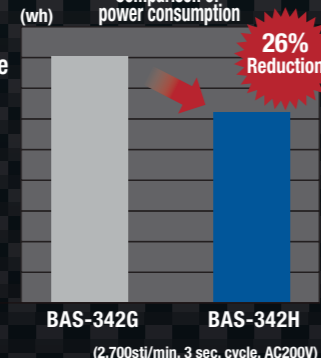
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## 2 Great Needle Penetration

Powerful motor (550W) outputs large amounts of torque even at slow speeds so that strong needle penetration force can be obtained. If the needle penetration resistance increases, vibration control (intermittent impact) automatically increases the penetration force.

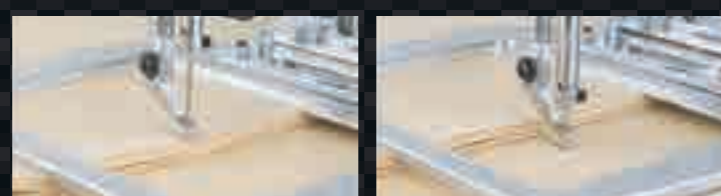
## 3 High Energy Saving

This machine is the most energy-saving programmable electronic pattern sewing machine among in its class, while realizing high-speed sewing and strong needle penetration force.



## 4 Uniform and Stable Thread Tightness

It realized stable thread tightening at low tension sewing. Excessive or insufficient pressing by the stepping foot can be prevented, enabling a finish with uniform thread tightening.



## 5 Easy and Accurate Positioning of Materials

You can select a desired work clamp lowering operation from two patterns by changing the memory switch settings (Two-step lowering or One-step lowering). (BAS-341H/342H only)



## 6 Simple Adjustment

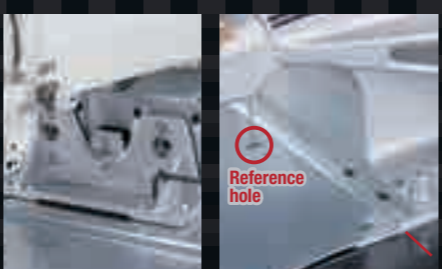
The driver can be adjusted from the side without tilting the sewing machine. This reduces time taken for adjustment and improves productivity when materials are changed.



\*Photo is for BAS-342H

## 7 Simple and Easy Sewing Pattern Change

The work clamp can be replaced quickly by loosening the two screws (BAS-311HN/326H), and four screws (BAS-341H/342H). When replacing the feed plate, align the reference holes of the needle plate and the feed plate.



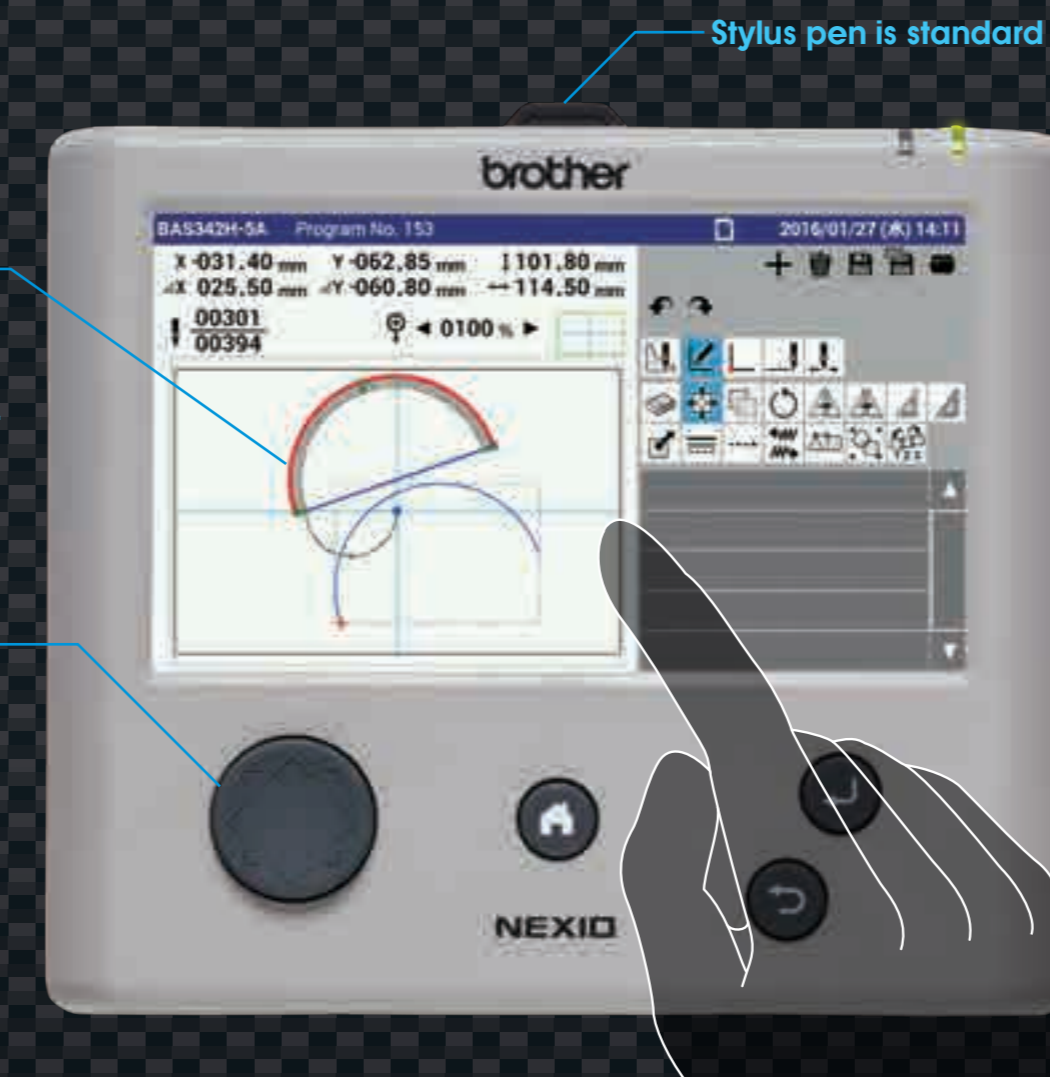
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## Best User Experience with LCD Touch Panel

7-inch large screen and easy programming functions via LCD touch panel enable an intuitive operation. It is easily understood without the instruction manual or previous experience in fewer steps.

**Sewing Pattern Outline Edit**  
The outline of the sewing pattern can be adjusted, enhancing the program editing.

**Jog Key (Brother Only)**  
Direction can be controlled by the jog key. You can feel the touching it so it is useful when creating the programs and adjusting the needle position while checking the needle point.

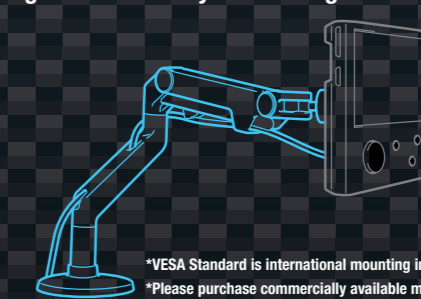


Stylus pen is standard equipment

**Multimedia Support**  
Supporting the SD card (1 slot), USB port (2 ports). An expansion port is also supported, enabling to connect with a bar code reader etc.



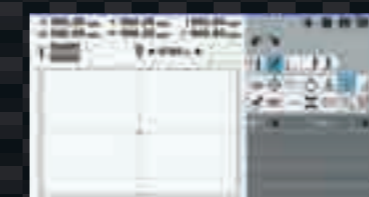
**Compliant with VESA Standards (Brother Only)**  
The LCD touch panel is compliant with the VESA standards, enabling to attach to any articulating monitor arm.



\*VESA Standard is international mounting interface standard.  
\*Please purchase commercially available monitor arms.

## Program Creating

Program creation can be available easily with illustration icons.



## File Selection

The preview of the program can be seen on the panel.



## Program Selection

The information regarding the program is seen at one screen. The setting change is available on it.



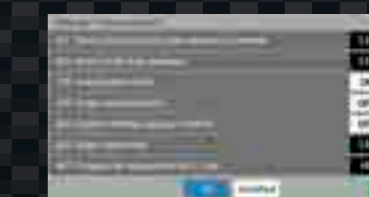
## Manual Display

The mistakable preparations such as Threading the upper thread, Winding the lower thread can be checked on the panel.



## Memory Switch Settings

The detail of Memory switch settings can be checked on the panel without the manuals.



## Error Message Display

When an error occurs, the error message and solution are displayed on the panel, helping reduce the downtime.



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## BAS lineups for your various types of sewing applications



**BAS-311HN**  
220mm x 100mm



**BAS-326H**  
220mm x 100mm



**BAS-341H**  
250mm x 160mm



**BAS-342H**  
300mm x 200mm

