

# HE-800C

## Electronic Direct Drive Lockstitch Button Holer

High quality sewing due to modified parts and program.

- High productivity due to double cutting function
- Reduction of disposition of thread ends
- Productivity Improvement by IoT



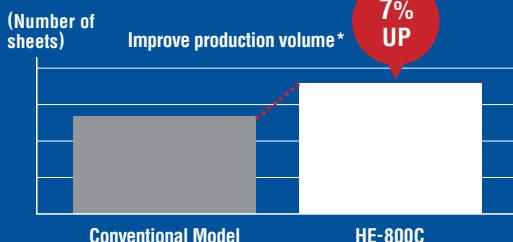
# NEXIO

# “Beautiful Sewing”

High quality sewing due to modified parts and program.

## 1 High productivity due to double cutting function

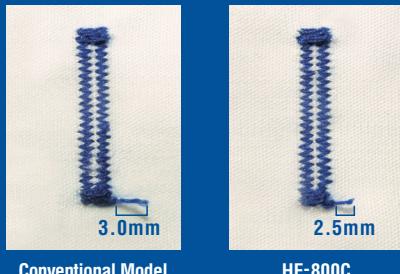
It enables double cutting during various size of button hole sewing and gives you high productivity without any changing time of cutters. High cost performances and productivities can be expected.



\*The main effects are "Speed up of cycle time" and "reduce time of changing knife" (According to Brother's own survey, March2018)

## 2 Reduction of disposition of thread ends

Renewed thread trimmer cuts the thread, realizing short remaining threads. The disposition of thread ends after sewing can be reduced. Also, the thread nipper, equipped as standard, minimizes thread cast off at sewing start and bird's nest. (-2 spec. only)



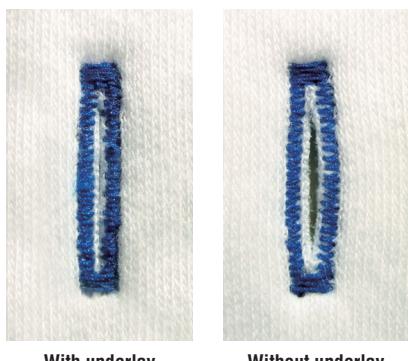
## 3 Improve sewing quality by modified parts and program.

Beautiful bank sewing finish appears when you use pearl stitch with low thread tension due to modified parts and needle movement program. And, when you use whip stitch it may provide beautiful finish

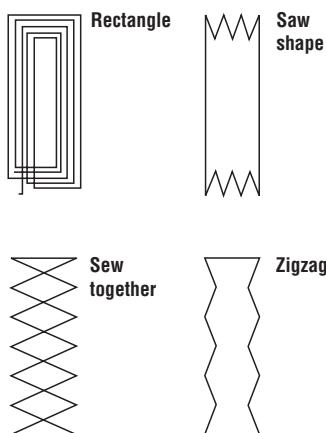
because it reduces any trouble such as thread breakage and stitch tightness errors. Minimum resolution is only 0.05mm. It gives high accuracy of button hole cutting and reduce any uneven finish.

## 4 Easy for difficult-to-sew materials with underlay

With underlay functionality, it is effective for stretch materials to prevent them from stretching.



### Under lay patterns



## 5 Easy positioning for sewing

The presser foot lifter is driven by a pulse motor, so that the height can be adjusted as desired. This makes insertion and removal of the material easier and reduces working fatigue.





## 6 Easy and operator-intuitive operation panel

The HE-800C is equipped with a liquid crystal display (LCD) and indicates display items with icons and letters. Setting and check of sewing patterns and change of sewing modes are easy to understand and carry out. It supports multiple as display language.

### SD card slot

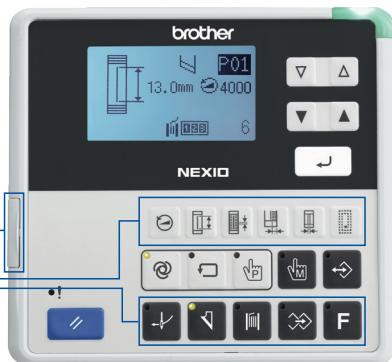
SD card slot is equipped as standard. Sewing pattern and environmental setting can easily be copied and moved to other sewing machines.

### Shortcut key

Frequently-used settings such as sewing width and size of sewing patterns can be set quickly.

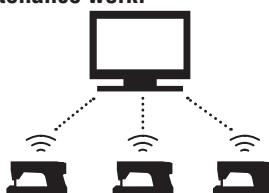
### Mode key

Useful mode such as threading mode and thread winding mode can be set with one-touch key operation.



## 7 Productivity improvement with IoT

NEXIO series are IoT applicable models.\* The visualization by connecting sewing machine and computer with the network technology enables the customer to analyze, manage processes and speed up productivity improvement and maintenance work.



\*It is applicable for Brother's IoT system. For more details, please refer to the catalog of "Brother Industrial Sewing Machine Network System".

## Specifications/

# HE-800C-

	Application
2	Woven articles such as shirts, blouses, work clothes and ladies' attire
3	Knitted article such as underwear, sweaters, cardigans and jerseys

HE-800C		
Max. sewing speed	4,000 sti/min	
Zigzag mechanism	Pulse motor	
Feed mechanism	Pulse motor	
Presser foot lifter mechanism	Pulse motor	
Presser foot lifter amount	Max.13mm (adjustable)	
Cutter mechanism	Double position solenoid	
Lower thread holding device	Standard equipment	
Bobbin presser	Standard equipment	
Standard pattern shapes	21 types	
No. of sewing programs storables	50	
Max. No. of stitch/program	999 stitches	
Needle	-2 Schmetz 134 Nm90	-3 Schmetz 134 Nm75
Data storage method	SD card (No guarantees of operation can be given for any media.)	
Power supply	Single-phase : 100V*1•Three-phase : 200V	

\*1 Transformer box is necessary for single-phase 100V.

## Gauge parts list

### Button hole size

Work Clamp Assy with Finger Guard	Finger guard	Work clamp
16mm	16mm	16mm
25mm	25mm	25mm
25mmW*1	25mmW*1	25mmW*1
32mm	32mm	32mm

\*1 W is wide bar tack width work clamp.

### Needle hole size

		For Flat Cutter		
		Needle plate for cutter	Needle plate for cutter	Plastic plate
-2	1.2mmS 1.4mmS 1.6mmS	-2	1.2mmS	1.2mmS
			—	—
			—	—
-3	1.2mm 1.4mm 1.6mm	-3	1.2mm	1.2mm
			—	—
			—	—

### Cutter size

	
Cutter	Flat Cut
6.4mm (1/4)	—
9.5mm (3/8)	9.5mm (3/8)
11.1mm (7/16)	11.1mm (7/16)
12.7mm (1/2)	12.7mm (1/2)
14.3mm (9/16)	14.3mm (9/16)
15.9mm (5/8)	15.9mm (5/8)
17.5mm (11/16)	—
19.1mm (3/4)	19.1mm (3/4)
20.6mm (13/16)	—
22.2mm (7/8)	22.2mm (7/8)
25.4mm (1)	25.4mm (1)
29mm	—
32mm	—



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## RoHS Compliant

HE-800C is 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.

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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