

	BT-3200 Electronic direct drive lockstitch bar-tacker	BT-2700 Electronic direct drive lockstitch button sewer
Stitch formation	Single needle lock stitch	
Maximum sewing speed	3,200 rpm	2,700 rpm
Pattern size (X x Y)	40 x 30 mm max.	6.4 x 6.4 mm max.
Button dimensions range	-	Outer diameter of button 8 - 30 mm (Use the optional button clamp B for diameters of 20 mm or greater.)
Feed mechanism	Y-θ intermittent feed mechanism (pulse-motor driven mechanism)	
Stitch length	0.05 - 12.7 mm	
Number of stitches	Variable (Refer to "Program List" for details on the number of stitches for sewing patterns that are already preset.)	
Maximum stitch number	210,000 stitches (including 200,000 stitches which can be added)	
Work clamp lifter	Pulse-motor driven mechanism	
Work clamp height Button clamp height	17 mm max.	13 mm max.
Rotary hook	Shuttle hook (shuttle hook 2, optional)	Shuttle hook
Wiper device	Standard equipment	
Thread trimmer device	Standard equipment	
Thread nipper device	Standard equipment	
Data storage method	Flash memory (Any sewing pattern can be added using CF card)	
Number of user programs	50	
Number of cycle programs	9	
Number of stored data	89 sewing patterns are set already	49 sewing patterns are set already
	(Up to 200 patterns can be added. Total number of stitches of stored data which can be added is within 200,000)	
Motor	AC servo motor 550 W	
Weights	Machine head: approx. 56 kg, Operation panel: approx. 0.6 kg Control box: 14.2 - 16.2 kg (depending on destination)	
Power source	Single-phase 100V / 220V, 3-phase 200V / 220V / 380V / 400V 400VA	



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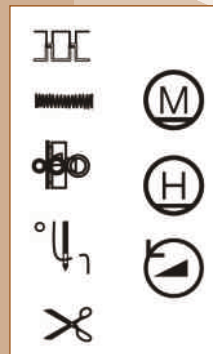
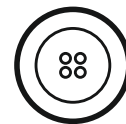
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BT-3200 BT-2700

Bar-Tacking Machine Button-Sewing Machine

Higher productivity and better ergonomics



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BT-3200 Standard Sewing Patterns Exemplification

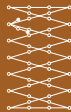
Ordinary materials bar tack



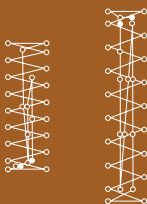
Straight bar tacking



Vertical zigzag stitching



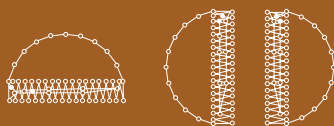
Vertical bar tacking



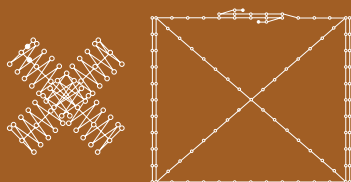
Vertical straight bar tacking



Crescent bar tacking



Crossed stitching



L-pattern tacking



Circular stitching



Eyelet buttonhole bar tacking



High Productivity

Sewing speed of 3,200 rpm combined with increased ramp-up, thread trimming, presser foot lifting and ramp-down speeds shortens total cycle time and provides higher productivity. Driven by step motor, height of presser foot can be set in 2 different values also contributing to better productivity. Easy positioning of sewing material further reduces the handling time.

Low Noise and Low-vibration

Direct drive head powered by AC servo motor better synchronized with servo feeding motor, optimization of rotational mechanism and arm bed create a comfortable working environment with reduced vibration and noise.

Excellent Seam Quality

The upper thread nipper securely holds the thread for correct first stitch formation and avoids skipped stitching. A highly rigid needle bar and thread take-up mechanisms eliminate the risk of a slack or bending even at higher speeds. Feeding of 0.05 mm of fabric per pulse of the servo controlled feed motor ensures accurate slanted and curved stitching.

No Risk of Stains

Thanks to the dry type head the needle bar and thread take-up mechanisms no longer require lubrication. Clean oil is only supplied to the hook eliminating the risk of oil stains on the garment. Due to use of direct drive technology, the possibility of belt shaving stains on the garment is also eliminated.

Short Thread Trimming

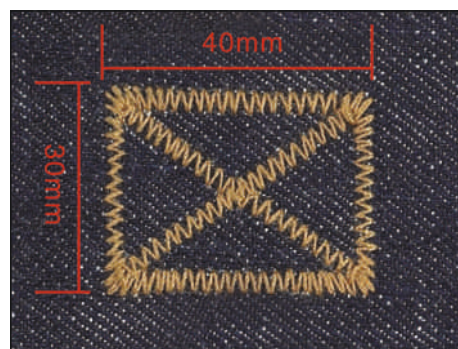
Optimization of thread trimming mechanisms resulted in shorter thread ends (2-2.5mm) eliminating the need for manual trimming following tacking operation.

Powerful Needle Penetration

Use of a 550W servomotor provides more powerful needle penetration force and more reliable sewing on thicker materials.

Variety of Sewing Patterns and Large Sewing Area (BT-3200)

The machine is provided as standard with 50 different sewing patterns. The large sewing area of **40x30 mm** enables the handling of a wide range of applications from men's to women's clothing, denim to knits and foundation garments. The sewing patterns can be extended within the 40x30mm sewing area with the use of programming software.



Wide Machine Applicability

The following machine models are available:

Bar-tacking machine:

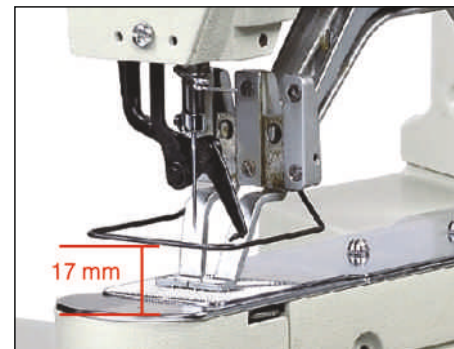
- Ⓜ BT-3200 - 001 (53.0000.0.001) for medium - weight garment
- Ⓜ BT-3200 - 003 (53.0000.0.003) for heavy - weight garment

Button-sewing machine:

BT-2700 (53.0000.0.011)

Auto Presser Foot Mechanism

The presser foot is controlled by a step motor enabling two different strokes which can be pre-set for each sewing program from the control panel. This mechanism enhances productivity and reduces operator fatigue. The maximum presser foot lift is 17 mm.



Compact Flash Card Use

The use of CF card makes it easy to create sewing patterns on a computer using the programming software and uploading them to the machine by simple use of control panel buttons without the need to change e-proms on the board.



Button Sewer (BT-2700)

BT-2700 is capable of sewing 2-hole, 3-hole and 4-hole buttons. Outer button diameter can be within the range of 8-30 mm.



BT-2700 Button Sewing Patterns

2-hole buttons



3-hole buttons



4-hole buttons

