

PATENT



DELIVERING THE EXCELLENCE
MADE IN KOREA

INDUSTRIAL SEWING
MACHINE
BUTTON WRAPPING &
KNOTTING MACHINE

THE MECHANISM
ENSURES
**PERFECT
BALANCE**
BETWEEN BUTTON AND
GARMENT BY WRAPPING
& KNOTTING



ST-10 INDUSTRIAL SEWING MACHINE BUTTON WRAPPING & KNOTTING MACHINE



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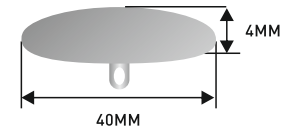
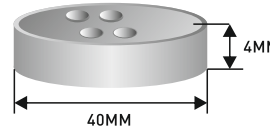
NORMAL
THREAD
USED



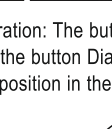
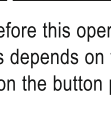
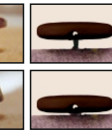
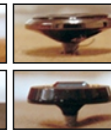
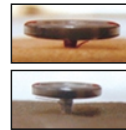
Wrapping
Frequency:
1~300

Knotting
Frequency:
1~3 (max. 10)

Operation Time:
3.5 Sec. on 50
wrapping frequency



Flat / Stay /
Counter buttons



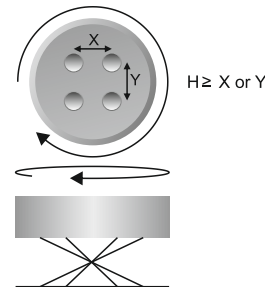
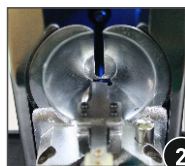
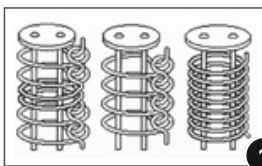
For any type & any size of Buttons

Button type	Diameter	Button Looseness Height	Thickness
Flat	1-40mm	2.5-10mm	1-4mm
Shank	1-40mm	2.5-4mm	1-4mm

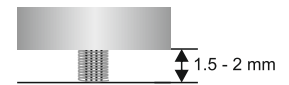
SPECIFICATIONS

Dimension	400 x 270 x 250 mm
Gross Weight	20 Kgs.
Air Consumption	0.32 nl/min. or 0.02 cfm
Air Pressure	4~5 Kg/cm ²
Power/ Power Consumption	Free Voltage 110V~240V/ 70W
Cycle	Free cycle 50/60 Hz
Voltage Control System	In-built SPMS

Preparation before this operation: The button should be provided proper looseness to get proper stem. The looseness depends on the button Diameter its X and Y distance. The button looseness is done depending upon the button position in the garment and the layer thickness of fabric.



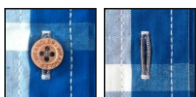
When it is twisted, it must take a complete turn.



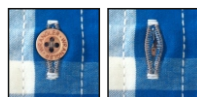
APPLICATION

The Machine is used for wrapping and knotting of the buttons attached to garment after providing a looseness in Button Stitch machine.

This process provides a strengthen steam of button which is attached to the fabric with looseness. By using this process the button hole packet fits easily into the button placket. Also after fixing the button there is no expanding view of the button



Using ST-10



Without wrapping

NO NEED OF ANY KIND
SPECIALISED THREADS,
COLOUR MATCHING IS EASY,
COST OF THREAD IS CHEAPER.

FEATURES

- Fully programmable LCD Operation Panel
- Knotting & Wrapping Option: The default setting in the machine is programmed as one knotting in starting, wrapping, three knotting in end. There is a programming facility available in control panel option as a. Knotting, Wrapping, Knotting b. Knotting c. Wrapping ①
- Wrapping and Front-Back Mechanism: The stepping motor controlled by Microprocessor ensure that wrapping frequency is equally divided between the button and the fabric. The distance can be programmed on the LCD display Panel
- Knotting Mechanism: Individual arms controlled by Microprocessor and Stepping Motor ensured a perfect double hand made knotting without any use of needle and hook assembly
- Threading Mechanism: By using pneumatic system easy to thread the machine without any delay

- The way of threading is also explained in the LCD Display Panel
- Thread Trimming Mechanism: By using pneumatic thread trimming system it is guaranteed that there will be no damage to the button & the fabric ②
- 3 independent step motors for wrapping, Knotting and forward & Backward. Inbuilt stabilised SMPS protects from voltage hazards
- 3 Knots in the end secures the wrapping and doesn't open after several washes. Display goes to standby mode after 2min so that the LCD display life increases
- Independent self diagnostic testing system for all 3 motors. Microprocessor controlled system provides 4 types of wrapping and knotting combination



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