

PATENT

ST-12

INDUSTRIAL SEWING
MACHINE ATTACHMENT
DIGITALLY CONTROLLED
BUTTON FEEDER ATTACHMENT



DELIVERING THE EXCELLENCE
MADE IN KOREA



A PERFECT BLEND OF
**NEEDLE &
BUTTON**
FOR HIGHER
PRODUCTIVITY



ST-12 INDUSTRIAL SEWING MACHINE ATTACHMENT DIGITALLY CONTROLLED BUTTON FEEDER ATTACHMENT



DELIVERING THE EXCELLENCE
MADE IN KOREA



* Special button machine work clamp is provided along with ST-12 as per machine make.

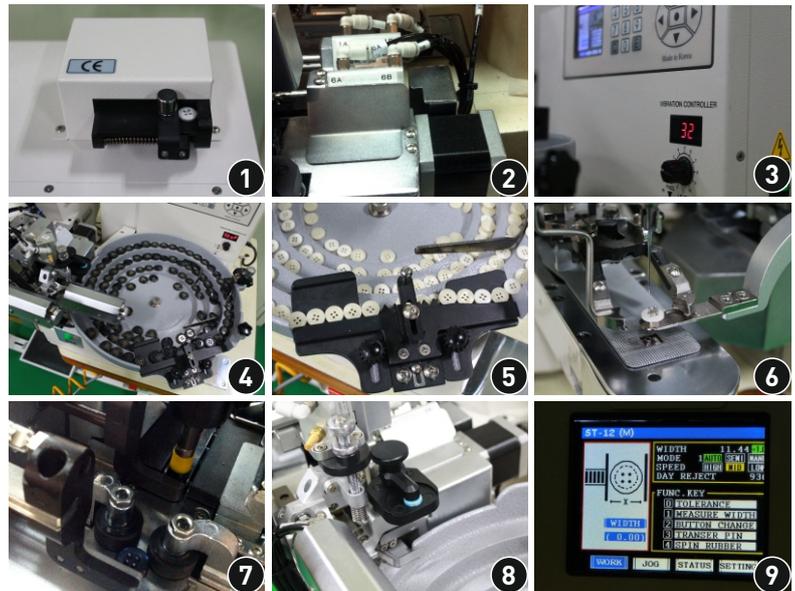
* Transfer Pin of different sizes provided with ST-12 as standard accessories.



Optional: Color Sensor

SPECIFICATIONS

Sorting Method	Vibration
Feeding Method	Tripple use of mechanism Electro-Mechanical & Pneumatic systems.
Feeding Time	0.4~0.7 Seconds
Electric Spec.	50/60 Hz Dual Cycle 100V/240V Dual Voltage SMPS Controlled
Power Consumption	72W (without sewing m/c)
Button Type	
Button Hole	2 & 4 Holes- Standard 3 Holes- Optional
Button Dia	8~30 mm**
Button Thickness	1.0~7.0 mm
Air Pressure	4~5kg/sq.cm
Air Consumption	1.15L/min or 0.04 cfm



APPLICATION

This robot mechanism device is used to feed the buttons to the button clamp on the button sewing machine. Operator no need to align the holes of button. With its increased feeding speed, the sewing machine head speed can be used upto maximum, which results in higher productivity. Using this device a beginner shows double productivity than skilled operators.



FEATURES

- Easy installation and compactable with all make and model of lock stitch button machine
- Maintenance free and user friendly, less than 2 mins to change the button setting
- Increases productivity upto 90% and consistency in output with Unskilled operator
- Digital encoder helps to easy setting of different buttons ①
- X and Y scale is automatically adjusted according to the buttons with step motor control ②
- Intelligent vibrator controlled system saves power, by going to hibernate mode when the machine is idle ③
- Perfectly designed vibrator bowl to store maximum buttons and smooth movement ④
- Saw teeth clamp filters the correct side of the buttons ⑤
- Special work clamp assembly ensures to set for all kinds of buttons ⑥
- Gate controlled button passage track to avoid overlapping and mismatch in the loading area of transfer pin ⑦
- Robotic transfer system to feed buttons to the work clamp ⑧
- User friendly LCD display shows all the details about the buttons and the day production ⑨
- High quality SMC cylinders and solenoid assembly used
- In shirts can achieve 1200-1650* buttons per hour

*represents based on shirts production under standard conditions.

** that 25mm and above Dia are depend on it's thickness and convexity



DELIVERING THE EXCELLENCE
MADE IN KOREA

LOIVA
7, Ojeong-Ro, 71 Beon-Gil, Bucheon-Si,
Gyeonggi-Do 14445 South Korea
Ph: +82 32 677 3321/ 2 Fax: +82 32 677 3323
email: loiva_korea@naver.com Web: www.loiva.kr

LOIKO GLOBAL PRIVATE LIMITED
No.617, 26th Main, Jaimaruthi Nagar,
Nandini Layout, Bangalore 560096 India
Ph: +91 80 23193797
email: sales@loikoglobal.com Web: www.loikoglobal.com