

## TAIZHOU FOXSEW SEWING MACHINE CO.,LTD

Add: Jiaojiang Economic Development Zone, Taizhou, Zhejiang, China - 318000

Tel: 0086-576-88203637 Fax: 0086-576-88203752

Web: [www.foxsew.com](http://www.foxsew.com) E-mail: [sales@foxsew.com](mailto:sales@foxsew.com)

Automatic Spreading Machine for Knit and Woven



Product Name: Automatic Spreading Machine for Knit and Woven

Model NO.: FX-Y6

Origin: Zhejiang,China

Brand Name: FOXSEW

Product Details: Automatic Spreading Machine for Knit and Woven

FX-Y6 series of Full automatic spreading machine, spread any kind of fabric for fashion apparel, furniture, car industry

and technical textiles. Available different devices to adapt machine to different kind of production, knit and woven fabric,

open and tubular, book folded or roll.

FOXSEW spreader, easy to learn, easy to operate, easy to maintain and reasonable quality and price. The spreading

specialist for fabric can rolls up to 100kg.

Equipped Devices:

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Cradle with conveyor belt

The great peculiarity of FOXSEW cradle system consists in the roll being supported by one wide piece of conveyor belt

only, rather than many parallel narrow belts. This allows better quality result also with very light fabrics and even in case

of irregular side edges.

Equipped with Robotic Technology

Robotic technology: fitted as standard PLC (Mitsubishi), which allows making adjustment of many characters. Avoid the

little flexibility it has machines which work with ready made electronic charts and the impossibility to replace in local

places.

Touch screen

Touch screen: allows adjusting the programming to your concrete production. The screen is placed in a very comfortable

place where you can see all instructions while the spreading process. With single hand, you can give all instructions to

the machine, having the other hand free for checking fabric.

Encoder:

Machine drives by encoder: With under table chain allows programming any length of the marker and reaching perfect

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ends, as well as spread in any place on the table.

### Cutting Device

Adjustable in speed according to the material we have to work with.

Adjustable in cutting length, Able to cut paper under the marker.

Fitted with IFS (Impact free system) low acceleration on the cut beginning, and faster acceleration, avoid the wrinkles

while cutting process.

### Security Rules

CEE, security rules, emergency stop if there is a supplier tension failure, if there is an engage of the cutting device.

Also machine goes with SAFETY SENSORS, to avoid any crush with a operator worker.

### Technical Characteristics:

- I Cradle with conveyor belt
- I Easy loading and unloading rolls
- I Automatic threading and rewinding fabric
- I Ability to program all steps in a spread
- I Adjustable edge side alignment by double sensor

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- I Machine drives by encoder
- I Automatic high detector sensor
- I Robotic technology
- I Automatic start checks control when machine is switched on.
- I Adjustable spread speed from 0 to 80 m/min.
- I Programming feeding
- I Digital touch screen
- I Automatic cutting device
- I Four-wheel drive (2×2)
- I Device to spread fabrics roll in reverse way
- I Self-adjusting brakes ramp according to speed of machine and programmed acceleration
- I Security sensors emergency stop

Spreading any kind of fabric: Knitting fabric (open fabric, tubular, roll, book folded), and woven fabric.

- I Any way of spreading: face up with clamps, face up without clamps, face down, zigzag, cutting zigzag

Characteristics & Power	
Material Width	1.6, 1.8, 2.0, 2.2, 2.5,3.0 m

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Roll weight(Maximum)	100kg
Roll diameter(Maximum)	60cm
Spreading height	25cm
Maximum speed per minute	80m
Operator side	Right(Normal)/Left
Voltage	Single phase, 220V/50Hz
Power supply	1.7kw

Product Images: Automatic Spreading Machine for Knit and Woven

Technical requirements:

Max. Fabric width: 1,9 m

Width of worktable: 2,13 m

Length of worktable: 12 m

Height of spreading: 22 cm

Max. Fabric weight: 100 kg

Voltage: 220 V

Power: 1 kW

Max. Unwinding speed: 86 m/min

Types of unwinding:

1. face side to the up
2. face to face (zigzag)

Description

A. Machine is suitable to unwind rolls of fabric and nonwoven materials.

B. Machine returns to the initial position after releasing from the fabric.

C. Machine is automatically switched off after 5 minutes of stand-by.

D. If machine spreads the fabric and does not release from fabric so automatical stop function activates.

F. PLC touchscreen panel is used to control and adjust the machine.

G. The machine can control fabric tension.

H. Easy way to feed the fabric into the machine.

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I. Automatical function for cutting fabric.

### Basic functions

1. PLC touchscreen panel allows worker to adjust length, number of layers and working speed.
2. Cutting units: automatical cutting unit may be switched off. Travel length and speed can be changed.
3. Unwinding: may work in one side and face to face.
4. Tension control: automatical tension and weakening of fabric.
5. Feeder fabric sensor: machine returns to the initial position after releasing from the fabric.
6. Control unit: automatical control of unwinding fabric.
7. Automatical lifting device: automatically lifts after each layer of fabric. Sensor lifting can be adjusted.



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