XCWAY

# Textile Finishing Machinery

Version: 2025.02

# Contents

# MA168-48/42 Automatic Raising Machine

## Description

This machine is ideal for non-fading velvet, ultra-soft velvet, weft-knitted leather velvet, short-pile velvet, cotton, cotton blends, warp-knitted fabrics, wool, wool blends, and synthetic fiber fabrics.

## Features

- PLC-controlled human-machine interface with multi-drive speed adjustment.
- Fabric speed, tension, calender speed, and brushing roller speeds are infinitely adjustable.
- Spindle drive uses synchronous belts for high efficiency, smooth operation, and low noise.
- Straight/curved needle drive features an automatic clutch for efficient fabric feeding and needle cleaning.
- Gear transmission motor with frequency control for simple structure and easy maintenance.
- Synchronized fabric feeding and rear traction with adjustable tension.
- Network-enabled multi-machine synchronization.
- Stores up to 500 process parameters.

## Specs

| Models | MA168-48 | MA168-42 |
|---|---|---|
| Install Power (Fan excepted) | 48 kW | 45 kW |
| Effective Energy Consumption | 28 kW | 27 kW |
| Adjustable Production Speed | 5-40 m/min | 5-40 m/min |
| Working Width | 2000/2200/2500mm | 2000/2200/2500mm |
| Raising Rollers Installed | 48 | 42 |
| Diameter o f Raising Roller | Φ70 mm | Φ70 mm |
| Drum Speed | 2-80 rpm | 2-85 rpm |
| Drum Diameter | Φ1590 mm | Φ1350 mm |
| Drive Mode | Belt type | Belt type |
| Touch Screen Control | Yes | Yes |
| Overall Dimension 2000mm | 4400x1800x4000mm | 4400x1800x4000mm |
| Overall Dimension 2200mm | 4600x1800x4000mm | 4600x1800x4000mm |
| Overall Dimension 2500mm | 4900x1800x4000mm | 4900x1800x4000mm |

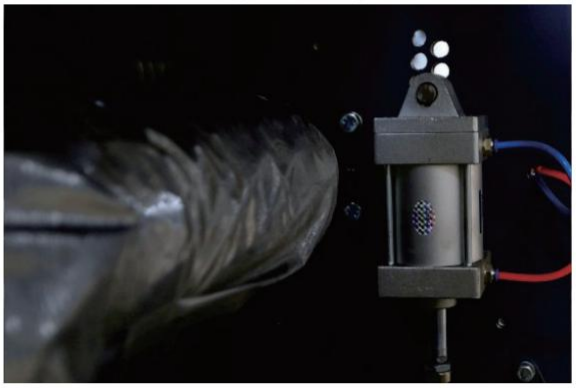
# MA168-36 Automatic Raising Machine

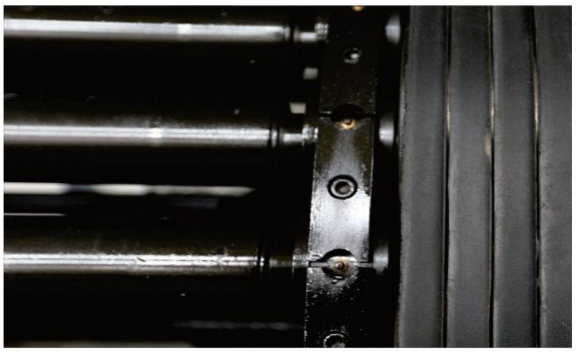
## Description

The MA168-36 is suitable for non-falling velvet, leather base fabric, warp knitting, and related industries. It handles non-falling velvet, super soft velvet, weft-knitted leather velvet, short plush, cotton, cotton blends, warp-knitted fabrics, wool, wool blends, and chemical fiber fabrics.

## Features

- PLC-controlled human-machine interface with multi-drive speed adjustment.
- Fabric speed, tension, calender speed, and brushing roller speeds are infinitely adjustable.
- Enlarged bearings for greater load capacity, belt tensioning at the bottom, and larger bridge rollers for extended belt lifespan.
- Quick-change belt system and multifunctional fabric spreading.
- Belt fully loosens on stop for easier cleaning and enhanced safety.
- Features zero-point start, automatic fabric feeding, fault alarm, and diagnostics.
- Network-enabled multi-machine synchronization.
- Stores up to 500 process parameters for simple, efficient operation.





## Specs

| | |
|---|---|
| Models | MA168-36 |
| Install Power (Fan excepted) | 42-46 kW |
| Effective Energy Consumption | 24 kW |
| Adjustable Production Speed | 4-40 m/min |
| Working Width | 2000/2200/2500mm |
| Raising Rollers Installed | 36 |
| Diameter o f Raising Roller | Φ70 mm |
| Drum Speed | 2-90 rpm |
| Drum Diameter | Φ1120 mm |
| Drive Mode | Belt type |
| Touch Screen Control | Yes |
| Overall Dimension 2000mm | 4280x1700x4000mm |
| Overall Dimension 2200mm | 4480x1700x4000mm |
| Overall Dimension 2500mm | 4780x1700x4000mm |

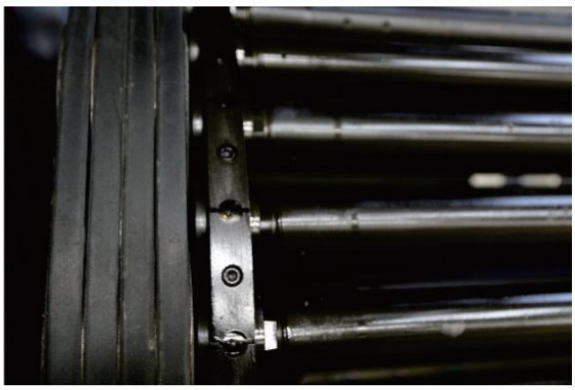
# MA168-24 Automatic Raising Machine

## Description

The MA168-24 is ideal for surface raising of cotton, wool, synthetic fibers, blends, blankets, wool fabrics, knitted materials, woven filaments, short-pile velvet, and ultra-soft textiles.

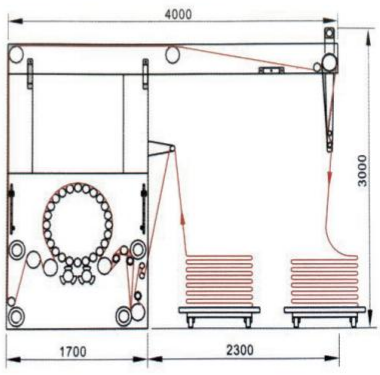
## Features

- PLC-controlled human-machine interface with multi-drive speed adjustment.
- Fabric speed, tension, calender speed, and brushing roller speeds are infinitely adjustable.
- Enlarged bearings for greater load capacity, belt tensioning at the bottom, and larger bridge rollers for extended belt lifespan.
- Quick-change belt system and multifunctional fabric spreading.
- Belt fully loosens on stop for easier cleaning and enhanced safety.
- Features zero-point start, automatic fabric feeding, fault alarm, and diagnostics.
- Network-enabled multi-machine synchronization.
- Stores up to 500 process parameters for simple, efficient operation.

## Specs

| | |
|---|---|
| Models | MA168-24 |
| Install Power (Fan excepted) | 32-36 kW |
| Effective Energy Consumption | 22 kW |
| Adjustable Production Speed | 4-40 m/min |
| Working Width | 2000/2200/2500mm |
| Raising Rollers Installed | 24 |
| Diameter o f Raising Roller | Φ70/80 mm |
| Drum Speed | 2-90 rpm |
| Drum Diameter | Φ850mm |
| Drive Mode | Belt type |
| Touch Screen Control | Yes |
| Overall Dimension 2000mm | 4230x1700x4000mm |
| Overall Dimension 2200mm | 4400x1700x4000mm |
| Overall Dimension 2500mm | 4700x1700x4000mm |



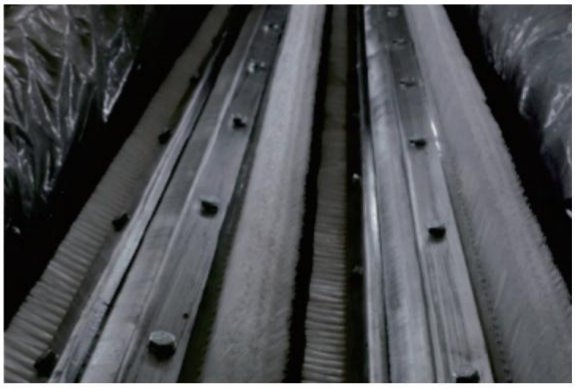
# ME829-24 Automatic Raising Machine

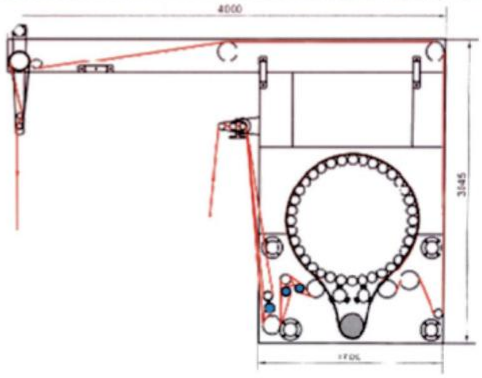
## Description

This gear-driven machine features full variable frequency control, a touch screen interface, and 24 brushing rollers. It is ideal for surface brushing of woven/knitted fabrics, including cylindrical/open-width fabrics, camel fleece, wool, milk silk, spandex, Lycra, blankets, sweatshirts, fleece, and single/double-sided pile fabrics.

## Features

- PLC-controlled human-machine interface with multi-drive speed adjustment.
- Fabric speed, tension, calender speed, and brushing roller speeds are infinitely adjustable.
- Spindle drive uses synchronous belts for high efficiency, smooth operation, and low noise.
- Straight/curved needle drive features an automatic clutch for efficient fabric feeding and needle cleaning.
- Gear transmission motor with frequency control for simple structure and easy maintenance.
- Synchronized fabric feeding and rear traction with adjustable tension.
- Network-enabled multi-machine synchronization.
- Stores up to 500 process parameters.






## Specs

| | |
|---|---|
| Models | ME829-24 |
| Install Power (Fan excepted) | 23.9 kW |
| Effective Energy Consumption | 18 kW |
| Adjustable Production Speed | 10-50 m/min |
| Working Width | 2000/2200/2500mm |
| Raising Rollers Installed | 24 |
| Diameter o f Raising Roller | Φ62 mm |
| Drum Speed | 90-130 rpm |
| Drum Diameter | Φ850 mm |
| Drive Mode | Synchronous belt drive |
| Touch Screen Control | Yes |
| Overall Dimension 2000mm | 4400x3400x3100mm |
| Overall Dimension 2200mm | 4600x3400x3100mm |
| Overall Dimension 2500mm | 4900x3400x3100mm |

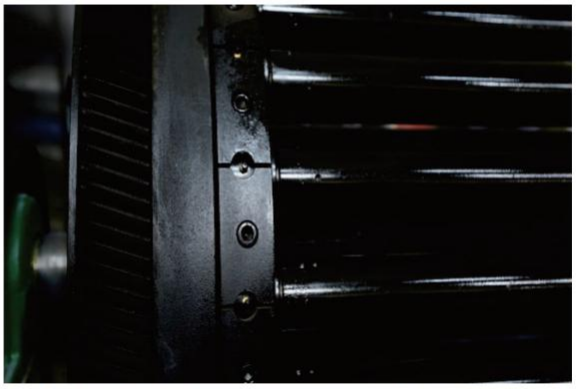
# ME409-24 Gear Type Raising Machine

## Description

This gear-driven machine features full variable frequency control, a touch screen interface, and 24 brushing rollers. It is designed for surface brushing of woven/knitted fabrics, including cylindrical/open-width fabrics, camel fleece, wool, blankets, and other fleece fabrics.

## Features

- PLC-controlled human-machine interface with multi-drive speed adjustment.
- Fabric speed, tension, calender speed, and brushing roller speeds are infinitely adjustable.
- Gear-driven needle roller ensures high torque, smooth operation, and low noise.
- Gear transmission motor with frequency control for simple structure and easy maintenance.
- Features zero-point start, automatic fabric feeding, fault alarm, and diagnostics.
- Network-enabled multi-machine synchronization.
- Stores up to 500 process parameters.




## Specs

| | |
|---|---|
| Models | ME409-24 |
| Install Power (Fan excepted) | 19.2 kW |
| Effective Energy Consumption | 11.5 kW |
| Adjustable Production Speed | 10-36 m/min |
| Working Width | 2000/2200/2500mm |
| Raising Rollers Installed | 24 |
| Diameter o f Raising Roller | Φ62 mm |
| Drum Speed | 90-130 rpm |
| Drum Diameter | Φ850 mm |
| Drive Mode | Gear type |
| Touch Screen Control | Yes |
| Overall Dimension 2000mm | 4000x4000x3050mm |
| Overall Dimension 2200mm | 4200x4000x3050mm |
| Overall Dimension 2500mm | 4500x4000x3050mm |

# ME2000-24 Gear type Raising Machine

## Description

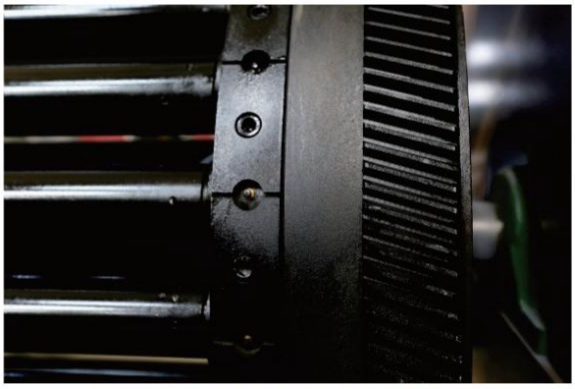
This gear-driven machine features a frequency inverter and 24 brush rollers, ideal for high fleece raising on knitted fabrics, cotton fabrics, leather-backed cloth, cylindrical fabrics, milk silk, spandex, Lycra, and fleece.

## Features

- Traditional user interface for easy operation and stable performance.
- Gear-driven needle roller ensures high torque, smooth operation, and low noise.
- Compact gear-driven motor with single frequency control for easy maintenance.
- Network-enabled multi-machine synchronization.

## Specs

| | |
|---|---|
| Models | ME2000-24 |
| Install Power (Fan excepted) | 10.5 kW |
| Dust removal fan Power | 4 kW |
| Adjustable Production Speed | 10-30 m/min |
| Working Width | 2000/2200/2500/2800mm |
| Raising Rollers Installed | 24 |
| Diameter o f Raising Roller | Φ62 mm |
| Drum Speed | 105 rpm |
| Drum Diameter | Φ850mm |
| Drive Mode | Gear type |
| Touch Screen Control | No |
| Overall Dimension 2000mm | 4000x4000x3050mm |
| Overall Dimension 2200mm | 4200x4000x3050mm |
| Overall Dimension 2500mm | 4500x4000x3050mm |



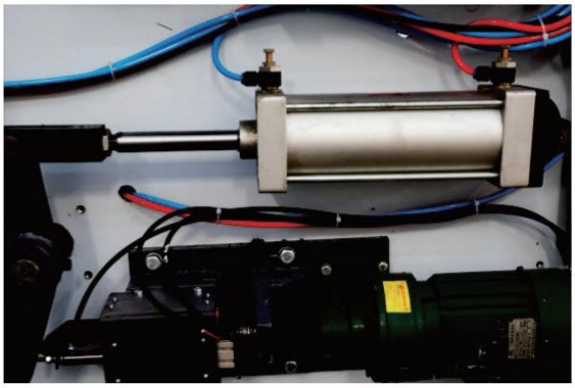

# ST420-1 Polishing Machine

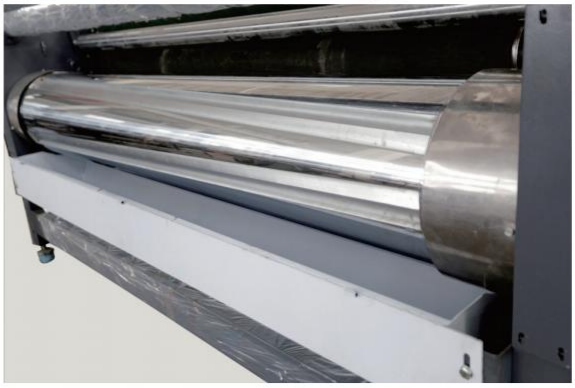
## Description

This machine is ideal for polishing woven, knitted, and tufted fabrics made from natural or synthetic fibers, including polyester blankets, faux fur, wool, warp-knitted fabrics, cashmere coats, velvet, and chenille. After polishing, fabrics achieve a smooth, fluffy surface with a noticeable sheen.

## Features

- Polishing rollers feature an enlarged diameter and six W-shaped grooves, maximizing contact area and time with the pile.
- Vertical and horizontal fabric support belts improve cooling space and structural efficiency.
- Fabric support belt pressure, tension, roller speed, and temperature are frequency-controlled for precise, easy operation.
- Intelligent temperature control system ensures high accuracy (±2°C).





## Specs

| | |
|---|---|
| Models | ST420-1 |
| Install Power (Fan excepted) | 75 kW |
| Heating Power | 61 kW |
| Adjustable Production Speed | 5-30 m/min |
| Working Width | 2200/2500mm |
| Rotational Speed | 900 rpm |
| Polishing Temperature | 100-200°C |
| Polishing Roller Diameter | Φ320/Φ370/Φ420 mm |
| Polishing Roller Groove | 6 W-shaped grooves |
| Touch Screen Control | Yes |
| Machine Weight | 4500 kg |
| Overall Dimension 2200mm | 4000x4730x3170mm |
| Overall Dimension 2500mm | 4000x5030x3170mm |

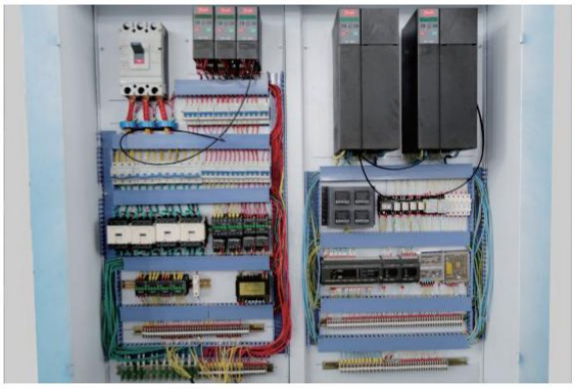
# ST420-2 Polishing Machine

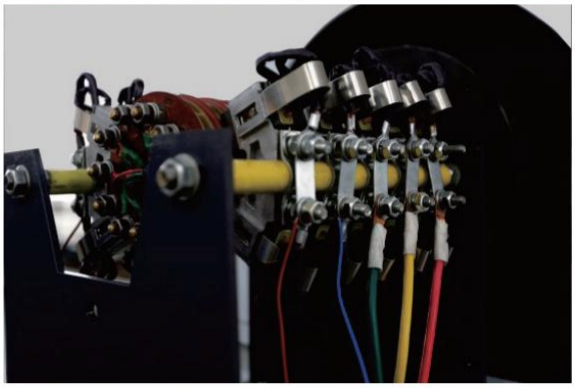
## Description

This machine is ideal for polishing woven, knitted, and tufted fabrics made from natural or synthetic fibers, including polyester blankets, faux fur, wool, warp-knitted fabrics, cashmere coats, velvet, and chenille. After polishing, fabrics achieve a smooth, fluffy surface with a noticeable sheen.

## Features

- Dual polishing rollers and fabric support belts double efficiency compared to standard machines.
- Polishing rollers feature an enlarged diameter and six W-shaped grooves, maximizing contact area and time with the pile.
- Vertical and horizontal fabric support belts improve cooling space and structural efficiency.
- Fabric support belt pressure, tension, roller speed, and temperature are frequency-controlled for precise, easy operation.
- Intelligent temperature control system ensures high accuracy (±2°C).





## Specs

| | |
|---|---|
| Models | ST420-2 |
| Install Power (Fan excepted) | 160 kW |
| Heating Power | 122 kW |
| Adjustable Production Speed | 5-35 m/min |
| Working Width | 2200/2500mm |
| Rotational Speed | 850 rpm |
| Polishing Temperature | 100-200°C |
| Polishing Roller Diameter | Φ320/Φ370/Φ420 mm |
| Polishing Roller Groove | 6 W-shaped grooves |
| Touch Screen Control | Yes |
| Machine Weight | 6500 kg |
| Overall Dimension 2200mm | 4760x4630x3270mm |
| Overall Dimension 2500mm | 4760x4930x3270mm |

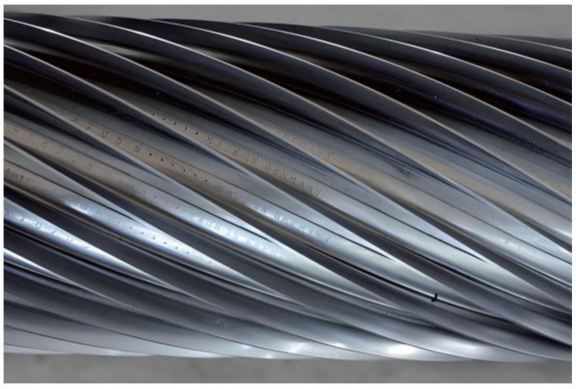
# HPS-24 High Precision Shearing Machine

## Description

This machine trims pile on fabrics like warp-knitted ultra-soft fabrics, velvet, fleece, coral fleece, wool, worsted fabrics, towels, and carpets.

## Features

- Equipped with German Heusch spiral and flat knives.
- Speed and tension controlled by Danfoss inverter for stable tension and easy adjustment.
- Automatic knife lifting system for sharpening and cleaning.
- Fully enclosed protective structure for safety and reliability.
- Wool felt and rotary knife bearings feature an automatic lubrication system.
- Metal detector with automatic alarm for enhanced safety and operation.
- Fabric feeding, output, and positioning independently adjusted by frequency inverters for precise tension control.
- Angled control panel for ease of use.
- Rotary and flat knife angles adjustable via digital display for optimal tightness.
- Optional brushing device available upon request.



## Specs

| | |
|---|---|
| Models | HPS-24 |
| Install Power (Fan excepted) | 15-18 kW |
| Adjustable Production Speed | 3-40 m/min |
| Working Width | 2000/2500mm |
| Shears Installed | 24/28 |
| Diameter of Shearing Cylinder | Φ185 mm |
| Rotational Speed | 200-1200 rpm |
| Rotation Direction | ACW and CCW |
| Touch Screen Control | Yes |
| Machine Weight | 4000 kg |
| Overall Dimension 2000mm | 4380x4310x3150 mm |
| Overall Dimension 2500mm | 4680x4310x3150 mm |

# KSM24 High Speed Brushing Machine

## Description

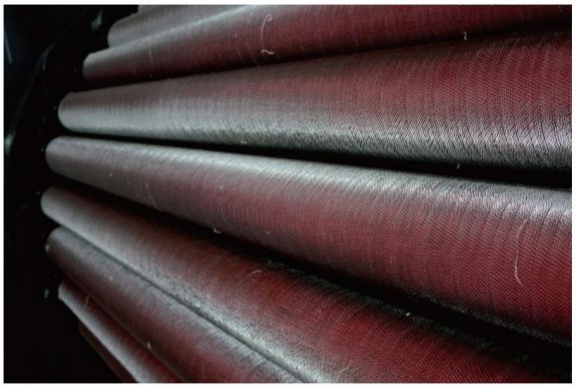
The KSM24 is ideal for brushing and finishing fleece, coral fleece, and flannel. It enhances fabric thickness, creates an upright pile effect, and delivers a soft, smooth surface texture.

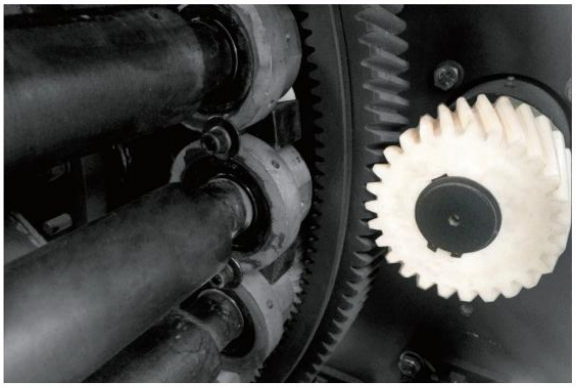
## Features

- KSM24 features a drum-and-cylinder structure with 24 brushing rollers, maximizing fabric contact surface and frequency for deep penetration.
- Fully automatic touch screen control with variable frequency adjustment.
- Pre-set fabric tension for optimal performance.
- Automatic feedback and fabric feeding for ease of operation.
- Automatic fabric feeding device for ease of operation.

## Specs

| | |
|---|---|
| Models | KSM24 |
| Install Power (Fan excepted) | 37.8 kW |
| Adjustable Production Speed | 2-38 m/min |
| Working Width | 2000/2500mm |
| Brushing Rollers | 24 |
| Diameter of Brushing Rollers | Φ70 mm |
| Drum Speed | 65-130 rpm |
| Touch Screen Control | Yes |
| Machine Weight | 5500 kg |
| Overall Dimension 2000mm | 4500x4250x3236 mm |
| Overall Dimension 2500mm | 4700x4300x3236 mm |



# SM24 Brushing Machine

## Description

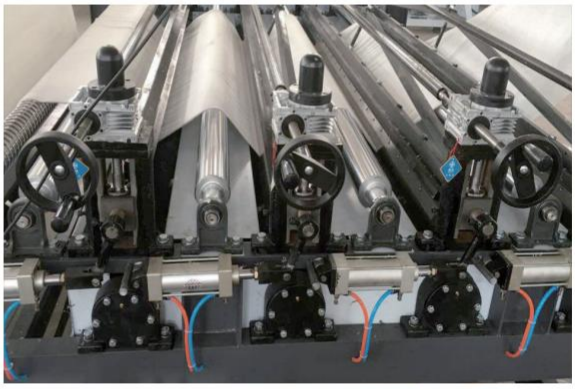
The SM24 improves on traditional brushing machines, replacing spiral rods with separate cylinders for precise, labor-saving adjustments. It typically includes two brushing rollers, with optional four or six rollers available. Ideal for surface untwisting, carding, and finishing of knitted fabrics like polyester blankets, wool, faux fur, carpets, and rabbit fur.

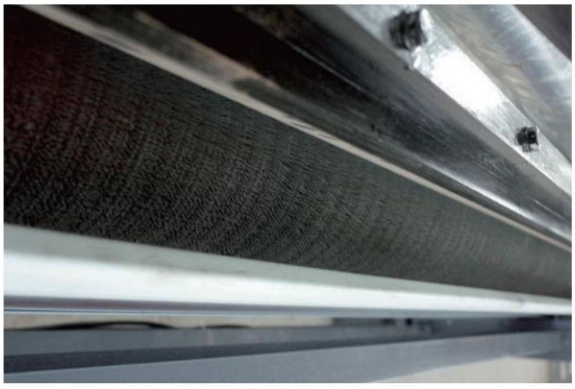
## Features

- Separate cylinders on each adjustment lever ensure precision and energy efficiency, surpassing traditional spiral rods.
- Simple, eco-friendly design for easy installation and disassembly.
- Brushing rollers driven by dual-end motors; spacing adjustable via spiral rods.
- Fabric handling system includes a reduction gearbox, traction rollers, fabric guides, and a positioning frame.

## Specs

| | |
|---|---|
| Models | SM24 |
| Install Power (Fan excepted) | 7.5 kW |
| Adjustable Production Speed | 2-10 m/min |
| Working Width | 2000/2200/2500mm |
| Air Cylinders (Optional) | 2/4/6/8 |
| Brushing Rollers (Optional) | 2/4/6/8 |
| Diameter of Brushing Rollers | Φ165 mm |
| Air Pressure | 6 bar |
| Dimension 2200mm 2rollers | 2800x2630x2773 mm |
| Dimension 2200mm 4rollers | 3200x2630x2773 mm |
| Dimension 2200mm 6rollers | 3600x2630x2773 mm |





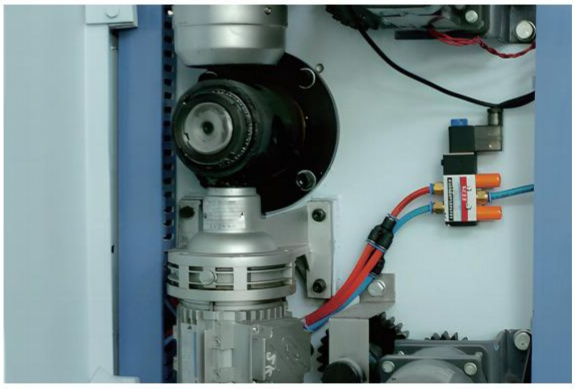
# MM6 Vertical Sueding Machine

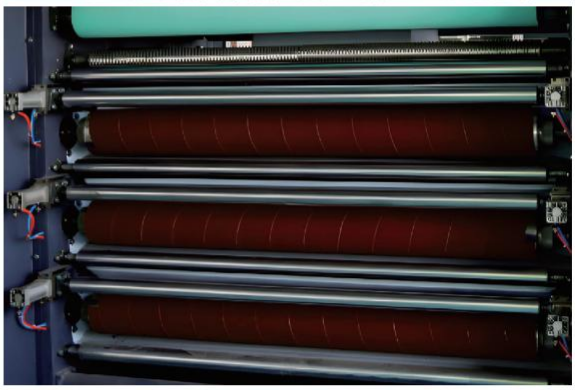
## Description

The MM6 is ideal for surface brushing of knitted fabrics, spandex, Lycra, suede, island fleece, cotton, and blended jacquard fabrics. Processed fabrics are used in upholstery, high-end shoe uppers, swimwear, and premium clothing. Post-brushing, fabrics achieve a soft, smooth texture with a fine, short, and even pile, enhancing their value for high-end textiles.

## Features

- Fully automatic touch screen control with 12 computer-controlled cylinders for full synchronization of six grinding rollers.
- Horizontal motors on both sides of front rollers ensure comprehensive fabric contact and a streak-free finish.
- Stores up to 500 process parameters for simple, efficient operation.
- Sandpaper and carbon fiber rollers can be freely combined.
- Fabric tension fully controlled via front, middle, and rear traction rollers for consistent brushing tension.





## Specs

| | |
|---|---|
| Models | MM6 |
| Install Power (Fan excepted) | 58 kW |
| Adjustable Production Speed | 6-60 m/min |
| Working Width | 1800-2400 mm |
| Compressed Air Pressure | 6 bar |
| Air Cylinders | 12 |
| Diameter of Sueding Roller | Φ210 mm Φ270 mm |
| Touch Screen Control | Yes |
| Drive Mode | Vertical |
| Optional | US DuPont carbon/ ceramic fiber rollers |
| Machine Weight | 6000-8000 kg |

# XM6 Planetary Sueding Machine

## Description

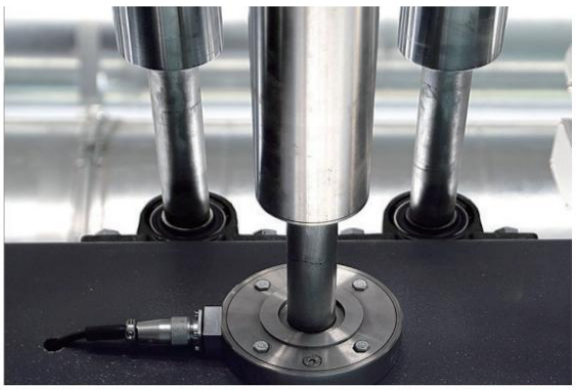
The XM6 is ideal for surface brushing of knitted fabrics, spandex, Lycra, suede, island fleece, cotton, and blended jacquard fabrics. Processed fabrics are used in upholstery, high-end shoe uppers, swimwear, and premium clothing. Post-brushing, fabrics achieve a soft, smooth texture with a fine, short, and even pile, enhancing their value for high-end textiles. It outperforms vertical and horizontal brushing machines in efficiency.

## Features

- Planetary gear-driven large calendering brushing machine with six carbon fiber brushes and a calender drum structure for deep fabric penetration.
- Fully automatic touch screen control with tension sensors, pre-set tension, and automatic feedback for constant tension brushing.
- Variable frequency synchronized transmission, PLC control, and dual touch screen/button interfaces.
- High-quality imported components: Schneider drives, Siemens main units, Omron relays, and PERCISE tension sensors.
- Fully sealed with protective doors/windows to prevent fiber dust leakage.
- Stores up to 500 process parameters for simple, efficient operation.

## Specs

| | |
|---|---|
| Models | XM6 |
| Install Power (Fan excepted) | 85 kW |
| Effective Energy Consumption | 55 kW |
| Adjustable Production Speed | 10-45 m/min |
| Working Width | 2000 mm |
| Sueding Rollers | 6 carbon/ceramic fiber rollers |
| Diameter of Sueding Roller | Φ270 mm |
| Touch Screen Control | Yes |
| Drive Mode | Drum |



# Magnetic Bar Type Rotary Screen Printing Machine

## Description

The rotary screen printing machine combines the high capacity of cylinder printing machines with the large-pattern printing capabilities of flat screen printing machines, delivering vibrant and bright colors. It requires low labor intensity and offers high production efficiency. This machine is suitable for a wide range of fabrics, whether thin or thick, narrow or wide, light or heavy, including chemical fabrics, knitted fabrics, flannelette, velvet, and more. The magnetic rod scraper machine can be equipped with various sizes of rotary screens, particularly larger sizes, ensuring vivid, bright-colored prints with even scratching, excellent permeability, and easy operation. It effectively prevents rendering defects and ensures superior printing performance, especially when printing on wider, elastic, or chemical fabrics.


## Features

• Fully automatic touch screen control with 12 computer-coThe main components of the machine's operating table are made of stainless steel and aluminum alloy, ensuring a sturdy structure, durability, and easy maintenance.

• The open-type structure allows for easy loading and unloading of screens, accommodating circumferences from 640mm to 2412mm. This design can replace certain flat screen printing processes, enhancing productivity.

• Each screen is independently driven by a servo motor and synchronized via computer control, ensuring high printing precision.

• The pressure and position of the magnetic rod scraper are adjustable, allowing for precise adaptation to different patterns and fabrics of varying thicknesses.

• The automatic slurry supply system ensures accurate and stable paste application and making operation efficient.

• The printing blanket is equipped with an automatic deviation correction system. Maintaining the stability of the printing blanket during operation is a crucial factor in ensuring both printing quality and the longevity of the blanket.

• Featuring an intuitive human-machine interface, the system includes automatic fault detection and an alarm function for intelligent operation.

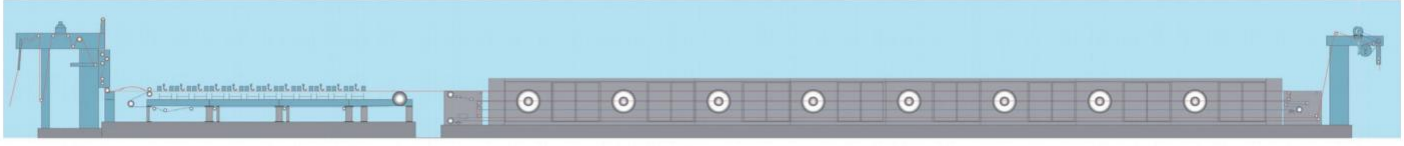
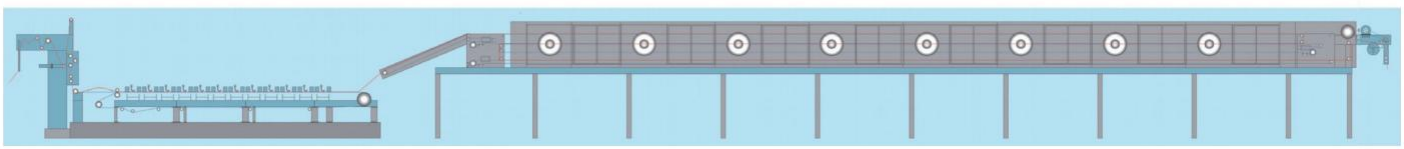
• A high-precision heavy penetration roller is available as an option, improving ink penetration and increasing printing efficiency

## Specs

| | |
|---|---|
| Fabric Weight | 50g/m²~600g/m² |
| Max Printing Width | 1620mm(180type) 1850mm(200type) 2050mm(220type)<br>2250mm(240type) 2450mm(260type) 2650mm(280type)<br>2850mm(300type) 3050mm(320type) 3250mm(340type) |
| Printing Color | 1/2/4/6/8/10/12/16/18/20color |
| Printing Repeat | 640mm/819mm/914mm/1018mm/1206mm---2412mm |
| Printing Mode | Magnetic rod scraper |
| Machine Speed | 4-80m/min |
| Drying Mode | Multi-layer hot air drying |
| Heating Source | steam/ thermal oil/ electrical/ gas |
| Fabric Entry & Exit Mode | Open width |
| Machine Direction | Left-hand / Right-hand |
| Compressed Air | 0.6~0.8 MPa |
| Water Pressure | Not less than 3 MPa |
| Machine Structure | Feeding-Printing-Drying-Plaiting, total 4 parts. |





# Squeegee Type Rotary Screen Printing Machine

## Description

The squeegee type rotary screen printing machine offers several advantages, including a lightweight nickel screen, easy loading and unloading of the rotary screen, an automatic registration system, an automatic dye pumping system, low labor intensity, high production capacity, and minimal limitations on the number of colors.

## Features

• The rotary screen printing machine production line consists of four main parts: fabric feeding, printing, drying, and fabric delivery. It is driven by four AC motors with frequency conversion for efficient operation.

• The fabric entry system features open-width feeding, a height-adjustable feeding frame, and an infrared fabric guiding device, ensuring smooth and stable fabric transfer to the printing section.

• The printing section includes a printing blanket, rotary screen driving system, rotary screen, printing scraper holder, register control system, blanket washing unit, and slurry pumping system.

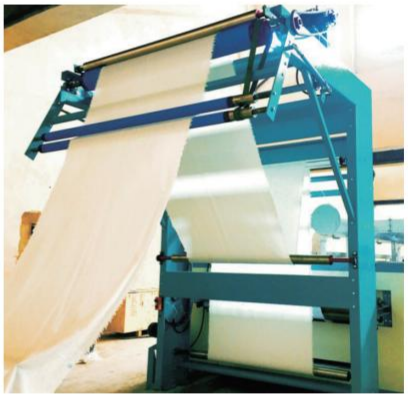
• The drying chamber adopts a modular, multi-layer structure, making it compact, space-efficient, and highly effective. It enables fast air circulation, high drying efficiency, and low energy consumption. The mesh belt is driven by an independent motor, ensuring low-tension drying for optimal fabric handling.

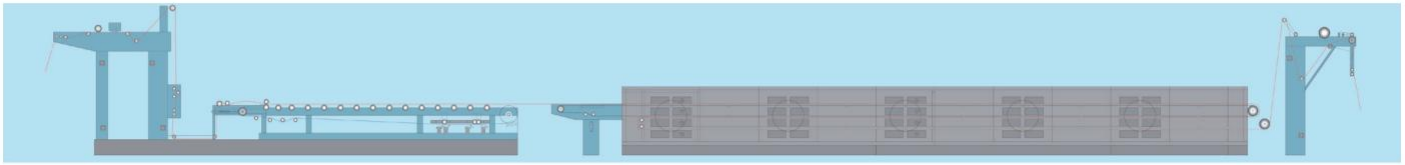
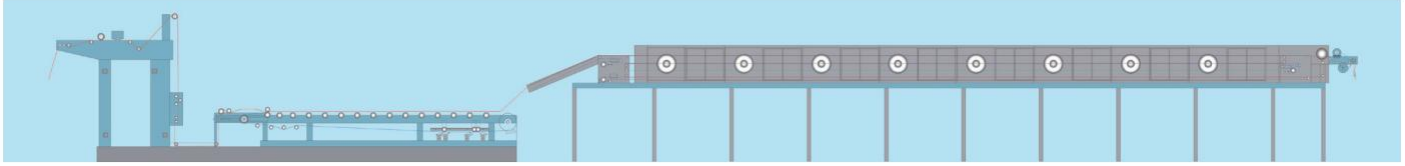
• The entire machine is controlled by a touchscreen and PLC system, with the pneumatic system centrally managed by imported electrical components for enhanced automation and reliability.

## Specs

| | |
|---|---|
| Fabric Weight | 50g/m² ~ 600g/m² |
| Max Printing Width | 1620mm(180type) 1850mm(200type) 2050mm(220type)<br>2250mm(240type) 2450mm(260type) 2650mm(280type)<br>2850mm(300type) 3050mm(320type) 3250mm(340type) |
| Printing Color | 1/2/4/6/8/10/12/16/18/20 color |
| Printing Repeat | 640mm / 819mm / 914mm |
| Printing Mode | Squeeze scraper |
| Machine Speed | 4-80m/min |
| Drying Mode | Multi-layer hot air drying |
| Heating Source | steam/ thermal oil/ electrical/ gas |
| Fabric Entry & Exit Mode | Open width |
| Machine Direction | Left-hand / Right-hand |
| Compressed Air | 0.6~0.8Mpa |
| Water Pressure | Not less than 3 MPa |
| Machine Structure | Feeding-Printing-Drying-Planning, total 4 parts |





# Multi-Color Flocking Rotary Screen Printing Machine

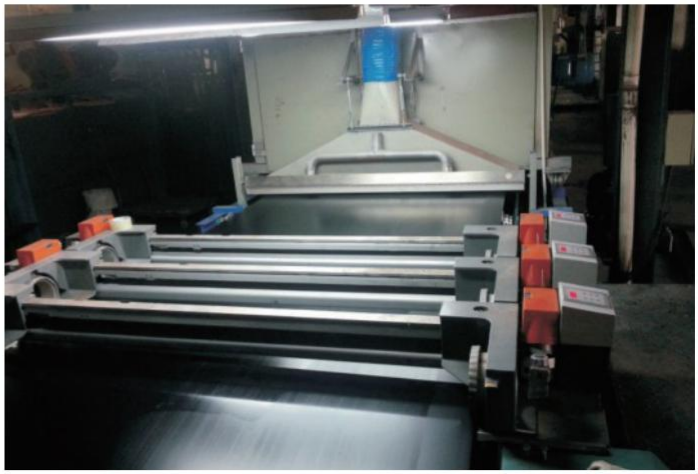
## Description

The electrostatic flocking machine operates based on the principle of charge attraction and repulsion, also known as the electrostatic flow-type flocking machine, which is widely used in the market. The flocking fibers are negatively charged, and the object to be flocked is placed at zero potential or grounded. The fibers are attracted to the object due to the opposite charge and accelerate vertically to adhere to its surface. As the object is coated with an adhesive, the fibers are firmly attached in a vertical position.

The flocking production line enables a fully automated process, including adhesive application, flocking, drying, and fiber removal in one seamless operation.

## Features

- Flocking can be applied to the surface of various substrates, regardless of the shape or size of the object.
- The assembly line production model is easy to operate and ensures stable performance.
- It supports both flocking and multi-color printing for combined flocked printing production, offering a three-dimensional effect and vibrant colors.
- The entire machine uses servo drives and an automatic alignment system, ensuring precise patterns and high production capacity, making it suitable for mass production.
- The machine is designed with energy-saving features, utilizing heat recovery to reduce energy consumption and minimize waste.



# Drip Molding Machine

## Description

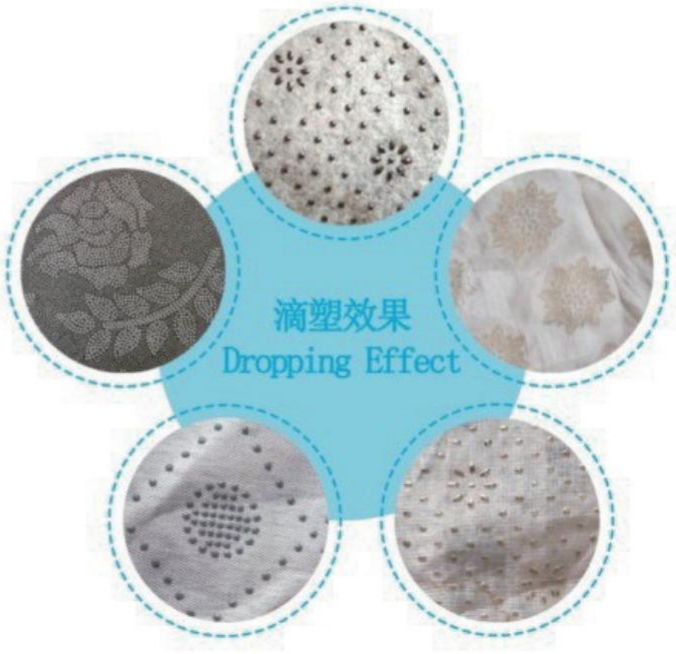
The automatic dispensing machine is an intelligent alternative to manual dispensing, designed for precise gel application on molds with intricate patterns. It allows precise control over the dispensing volume, accommodates various designs, and features adjustable speed. With no filament formation, mold wiping is unnecessary.

This machine effectively addresses challenges such as variations in worker skill levels, high employee turnover, tight delivery schedules, strict quality requirements, labor management difficulties, large factory space requirements, and high investment and operational costs.

It is widely used in industries such as carpets, home textiles, gloves, and automotive interiors.

## Specs

| | |
|---|---|
| Work flow | Entry - Dotting - Drying - Exit |
| Machine speed | 5 - 50 m/min |
| Working temperature of dryer | 100°C - 200°C |
| Heating source | Electric |
| Length of dryer | 15 meters (can be customized) |
| Length of the whole machine | 23 meters |
| 180 Type | Max dotting width: 1800 mm, Working power: 130 KW |
| 220 Type | Max dotting width: 2200 mm, Working power: 150 KW |
| 240 Type | Max dotting width: 2400 mm, Working power: 165 KW |
| 280 Type | Max dotting width: 2800 mm, Working power: 190 KW |
| 320 Type | Max dotting width: 3200 mm, Working power: 225 KW |

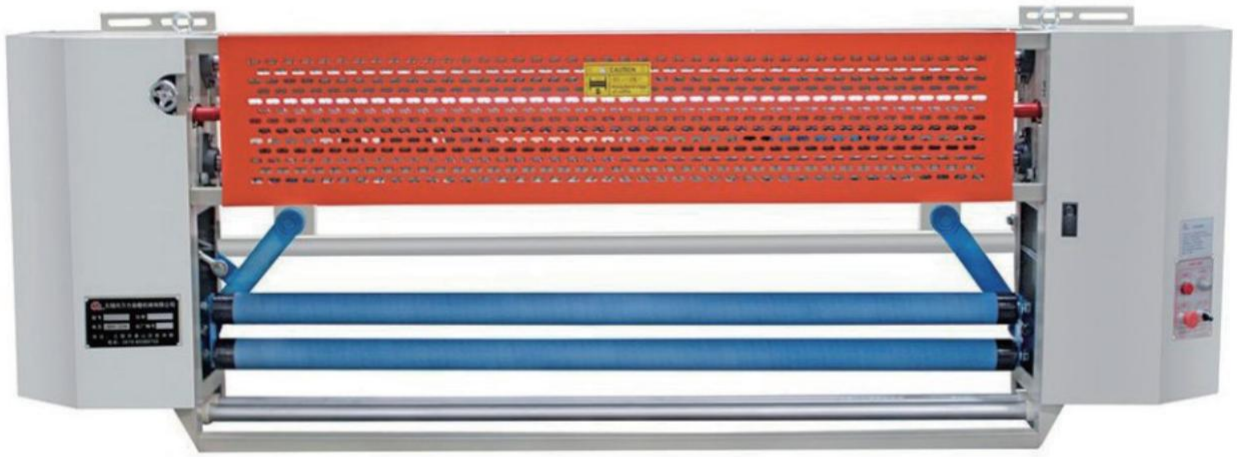


# Infrared centering device

## Description

This equipment is designed for installation at the entry of various textile finishing machines, such as stenters, mercerizing machines, singeing machines, washing machines, coating machines, dryers, and laminating machines. It ensures the fabric is fully spread out and quickly corrects any misalignment, maintaining fabric stability.

The system consists of an electrical control box, infrared sensors, a spreading unit, a correction roller, and either a ball screw or cylinder-driven transmission system. The infrared sensor, composed of an emitter and receiver, detects any deviation of the fabric's center from the central axis. When misalignment occurs, the correction roller swiftly adjusts via the ball screw mechanism, bringing the fabric back to its correct position. Simultaneously, the spreading roller smooths out edge wrinkles and expands the fabric for optimal processing.



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## Features

- With strong center correction effect
- Infrared detection with anti-glare interference
- Also applicable to very thin and transparent objects
- Accuracy of rectifying deviation optional
- Working mode optional: electric or steam driven

High-precision Ball Screw

## Specs

| Model | ICD-180 | ICD-200 | ICD-220 | ICD-240 | ICD-260 |
|---|---|---|---|---|---|
| Effective Width (B) | 180 | 200 | 220 | 240 | 260 |
| Mounting Dimensions (L) | 200 | 220 | 240 | 260 | 280 |
| Neutral spacing (A) | 35 | 55 | 75 | 95 | 115 |
| Minimum spacing (G) | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Test points | 60 | 60 | 60 | 60 | 60 |

# Slider Translation Centering Device

## Description

The Slider Translation Centering Device is designed for use at the entry points of machinery in the textile finishing industry, such as setting machines, mercerizing machines, singeing machines, washing machines, drying machines, and laminating machines. It ensures the fabric is fully spread out and quickly corrects any fabric misalignment.

This product features sensitive operation, high precision, tension-free performance, and stable operation, making it particularly suitable for knitted fabrics and equipment that requires precise control of fabric tension.

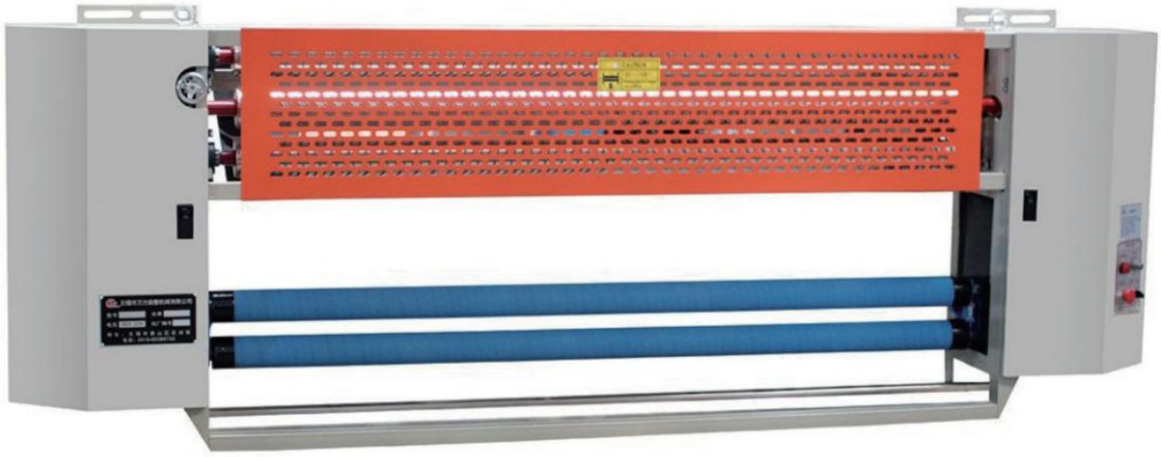
## Specs

| Model | STCD-180 | STCD-200 | STCD-220 | STCD-240 | STCD-260 |
|---|---|---|---|---|---|
| Effective Width(mm) | 1800 | 2000 | 2200 | 2400 | 2600 |
| Minimum installation distance (mm) | 2075 | 2275 | 2475 | 2675 | 2875 |
| Maximum installation distance (mm) | 2285 | 2485 | 2685 | 2885 | 3085 |
| Height (mm) | 1000 | 1000 | 1000 | 1000 | 1000 |
| Width (mm) | 400 | 400 | 400 | 400 | 400 |
| Length (mm) | 2995 | 3195 | 3395 | 3595 | 3795 |

# Infrared Edge Alignment Device

## Description

The Infrared Edge Device utilizes the same technology as the Infrared Centering Device and is compatible with similar machines. However, due to different fabric alignment requirements, the Infrared Edge Device features a single-side detector with manual positioning adjustment for full-width detection. It offers a resolution of 4mm and maintains edge deviation within ±2.5mm.



## Specs

| | |
|---|---|
| Resolution | 10 |
| Scope of application | Printing and dyeing, textile industry, etc. |
| Working power | 220V ± 10% |
| Output | Two sets of contacts which are normally open and closed, analog output: -10V0V10V linear output |
| Reaction time | Below 20ms |
| Resistant to ambient light | Sunlight: below 10000 Lux, Lights: below 5000 Lux |
| Seal level | IP65 acid-resistance and alkali-resistance |
| Material | Aluminum alloy (inner), high-temperature-resistant plastic (outer) |

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High precision photoelectric edge detector with the controllable distance being 2-5mm

# Infrared Edge Detecting Device

## Description

Infrared Edge Detection Device is designed for the textile printing and dyeing industry, widely used at the entrance of hot air stenter frames and packaging equipment. When the fabric edge position changes, the device automatically adjusts the needle plate and chain track to ensure the fabric edge is accurately guided into the needle plate, maintaining consistent edge alignment.

Equipped with far-infrared detection technology, it offers superior anti-interference capabilities and high sensitivity, with no specific requirements for fabric color or thickness. The frequency conversion control system provides a wide speed adjustment range, adapting to different operating speeds, with fast tracking, constant torque, high stability, and extremely low failure rates, ensuring long-term reliable operation. The mechanical transmission system uses a cycloidal pinion and rack design, featuring compact size, large transmission ratio, high precision, and strong torque. It is compatible with all types of stenter frames and can be retrofitted for older equipment.

Driving Mechanism

Control Switch

## Infrared sensor

- Working mode: non-touch digital ten-gear LED can indicate the fabric position
- Effective stroke of the proportional output : 6mm
- Working power: 12V
- Analog output voltage: −10V–0V–10V
- Total current: about 300mmA (a pair)
- Working environment: infrared sensor: −30~75°C, controller: 30~50°C, relative humidity: ≤85%

Electric Appliance Control Cabinet

## Specs

| | |
|---|---|
| Position accuracy | ≤ 1 mm |
| Driving force | ≥ 3500 N |
| Maximum allowable speed | 120 m/min |
| Working power | Single - phase, 50 Hz 380 V or Three - phase, 50 Hz 220 V |
| Maximum tracking speed | 180 mm/s |
| Response time | ≤ 150 ms |
| Rated power of three phase asynchronous speed-regulating motor: | 370W |
| Rated speed of three phase asynchronous speed-regulating motor: | 1400r/min |

infrared sensor

infrared sensor