



SUNTECH

YOUR DEVELOPMENT PARTNER ON AUTOMATION & INNOVATION

- Fabric Make-up Machines
- Material Storage & Handling Equipments

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EXPERIENCE OVER 40 YEARS
DESIGNER & MANUFACTURER ON TEXTILE MACHINES

Suntech

Company Profile



Suntech is one of the leading designers & manufacturers on textile machines for weaving & finishing units, especially for Fabric Make-up Machines and Material Storage & Handling Equipments. Over 40 years experience, Suntech now has its brand office in Hong Kong and International sales office in Hangzhou (Hangzhou Strength Machinery Co.,Ltd.). In addition, its factory is located in Ningbo city, Zhejiang, mainland.



Today, Suntech has become a significant name in textile machinery's field due to its diverse product range that serves to the demands of the textile industry worldwide. Its scope of products includes:

1. FABRIC MAKE-UP MACHINES:

- Batchers Winders
- Fabric Inspection Machines
- Fabric Rolling Machines / Batching Machines
- Fabric Folding Machines
- Fabric Cutting/Slitting Machines
- Automatic Tube-Sewing Machines
- Automatic Fabric Roll Packing Machines

2. MATERIAL STORAGE & HANDLING EQUIPMENTS:

- Computerized Beam Storage System
- Electric & Hydraulic Beam Trolleys
- Electric & Hydraulic Cloth Roll Trolleys
- All Kinds of Warp Beams

What's more, Suntech has the capability to design every unique machine to satisfy its customers' special requirements.



Suntech's global vision and ambition has not limited its success and growth in the domestic market. With more than 2,500 customers and 6,000 installations around the world, Suntech now has its agent network in Italy, Germany, Russia, USA, Mexico, Brazil, Argentina, Colombia, Peru, Ecuador, Guatemala, Indonesia, Thailand, Philippines, India, Pakistan, Bangladesh, Sri Lanka, Uzbekistan, Iran, Egypt, South Africa, Syria, Mauritius, etc.



ISO9001:2008



BRAND

SUNTECH

TEXTILE MACHINERY



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AUTOMATION &
INNOVATION.



Quality Management

Quality management at Suntech includes all relevant processes. From order processing to service, quality guidelines guarantee the best quality possible.

The Suntech quality concept connects all processes that influence the quality of the product.

Automated testing equipment has been developed and applied to series control cabinets. Testing documents are a part of the switch gear delivery.



ST-ARPM

AUTOMATIC FABRIC ROLL PACKING MACHINE



PACKED ROLLS (VACUUM PACKING EFFECT)



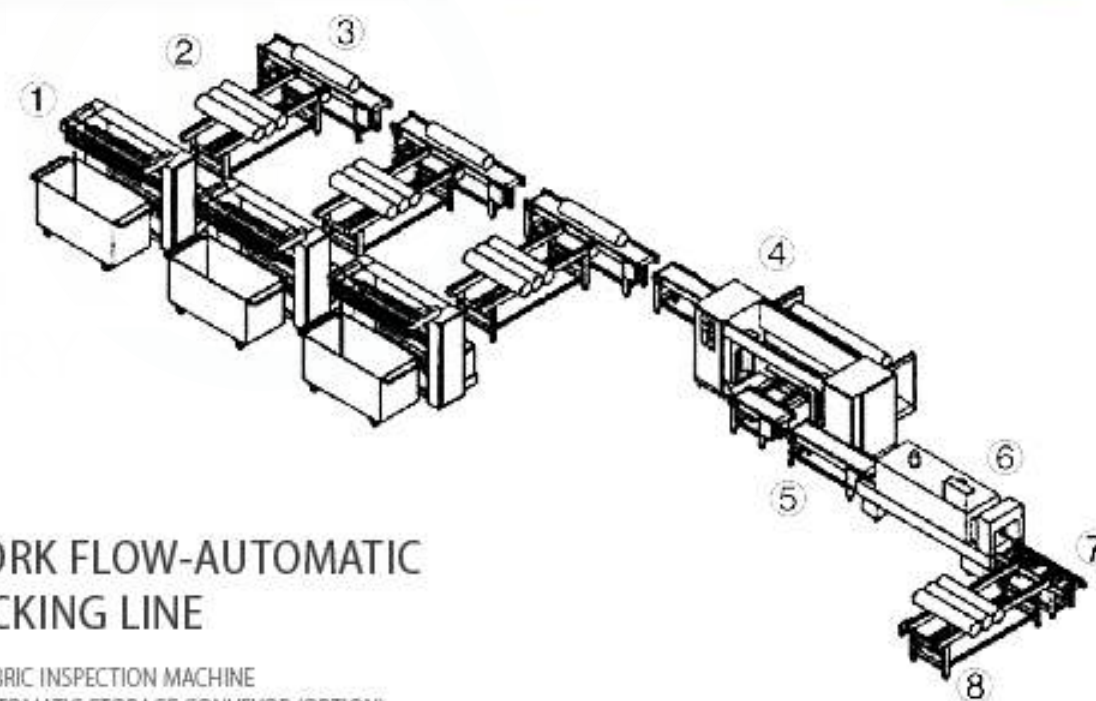
Features:

- 1). Fully Automatic, Reduce Labor Force
Only one operator required.
- 2). High Efficiency, Packing Speed Up to 7 rolls/min
ST-ARPM-180I can pack 5-7 rolls/min, around 2400-3360 rolls every eight hours.
- 3). Material Cost Saving than Traditional Plastic Bag
Around 10% cost can be saved.
- 4). Vacuum Packing Effect with PE Film
The ideal thickness of Polythene Film is 60-80 microns.
- 5). Link with Inspection Machine for Online Inspecting and Packing—Optional
Ideally, 1 set packing system supports max. 10 sets fabric inspection machines at the same time.

Technical Specifications: (FOR STANDARD MODELS ONLY)

Model:	ST-ARPM-180I	ST-ARPM-180II	ST-ARPM-240I	ST-ARPM-240II
Range of Roll Width:	900-1800mm	900-1800mm	1200-2400mm	1200-2400mm
Range of Roll Diameter:	100-400mm	100-600mm	100-400mm	100-600mm
Packing Capacity:	5-7rolls/min	4-6rolls/min	4-6rolls/min	3-5rolls/min
Dimensions(Main Packing Unit):	4180x2500x2190mm	4450x3220x2590mm	4780x2500x2190mm	5050x3220x2590mm
Weight:	1500kgs	1600kgs	1600kgs	1700kgs
Power Consumption:	43kw	43kw	43.5kw	43.5kw
Compressed Air pressure:	5-7bar	5-7bar	5-7bar	5-7bar

Remark: Range of roll width can be designed & manufactured upto 3200mm



WORK FLOW-AUTOMATIC PACKING LINE

- 1). FABRIC INSPECTION MACHINE
- 2). AUTOMATIC STORAGE CONVEYOR (OPTION)
- 3). INLET CONVEYOR
- 4). MAIN PACKING UNIT
- 5). OUTLET CONVEYOR
- 6). HEAT CHAMBER
- 7). ROLLER CONVEYOR WITH 90 DEGREE TURNING SYSTEM
- 8). S.S 304 FABRIC STAGE

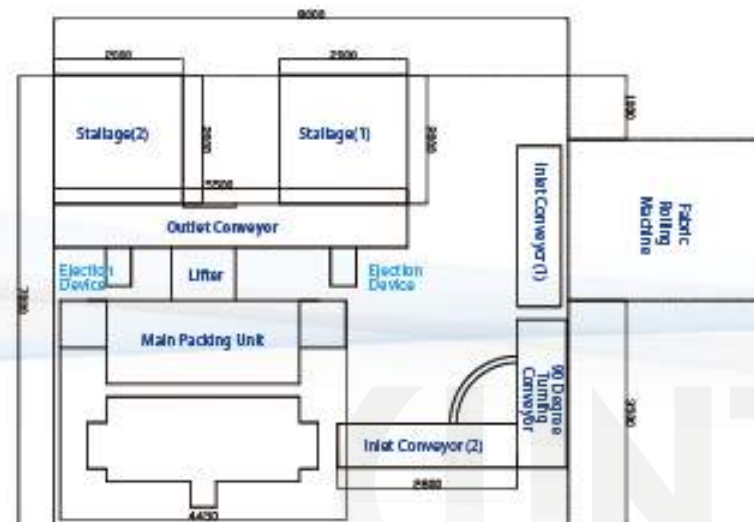


ST-ARPM

AUTOMATIC FABRIC ROLL PACKING MACHINE (CUSTOMIZED SOLUTIONS)

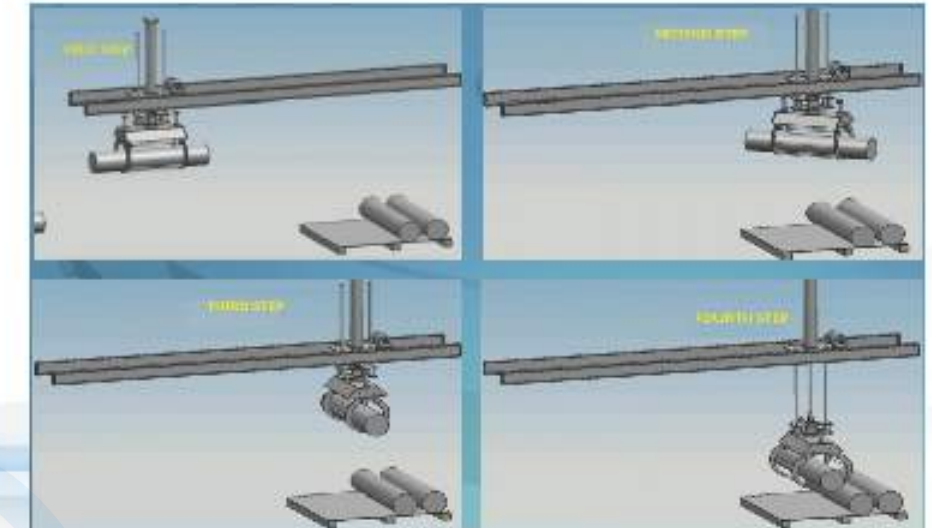
Automatic Lifting and Allocating

- 1). Fabric roll goes to the main packing unit through the Inlet conveyor and 90 degree turning system.
 - 2). The packed rolls will be raised by a lifter to the outlet conveyor directly.
 - 3). The PLC will instruct the roll to run right firstly, the ejection device will push it in to Stallage. Once the Stallage (1) is full, sensor will detect and programed system will instruct the fabric roll to the left side to push roll into Stallage (2).
- When Stallage (2) is full, then roll goes to the left side to be pushed into Stallage (1) again.



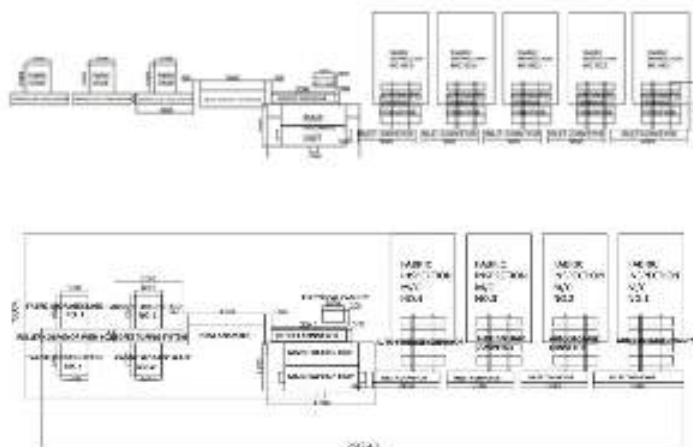
Intelligent Stacking

The fabric roll will be stacked by the robot arm or lifter intelligently without any labor force.



With Hot Air Blowing and Punching Device

Smart Classification



The operator can set up the "assignment" in Touch Screen Panel.

Fabric roll from spection machine no.1 can be assigned to storage stage no.1 (or no.2 or no.3 or no.4);

Fabric roll from Inspection machine no.2 can be assigned to storage stage no.2 (or no.1 or no.3 or no.4);

Fabric roll from Inspection machine no.3 can be assigned to storage stage no.3 (or no.1 or no.2 or no.4);

Fabric roll from Inspection machine no.4 can be assigned to storage stage no.4 (or no.1 or no.2 or no.3);



Compared with the traditional packing line (with heat chamber), this system is Ideal for saving space and power.

Features:

- 1). Fully Automatic, Reduce Labor Force
Only one operator needed.
- 2). High Efficiency, Packing Speed Up to 7 rolls/min
ST-ARPM-180I can pack 5-7 rolls/min, around 2400-3360 rolls every eight hours.
- 3). Material Cost Saving than Traditional Plastic Bag
Around 10% cost can be saved.
- 4). Link with Inspection Machine for Online Inspecting and Packing--Optional
Ideally, 1 set packing system supports max. 10 sets fabric inspection machines at the same time.



ST-CBPM

AUTOMATIC CARDBOARD BOLT PACKING MACHINE

ST-CBPM is used to pack cardboard bolts from the Fabric Folding & Lapping Machine, which is widely applicable for home textiles, suitings, etc. Advantages like savings in Labour cost, in time taken for loading & unloading, clarity of goods for customs-inspection, moisture & dust proof packing etc., attract both the exporters & Importers.

Details:



Control Panel



Related Product:



ST-DFLM Double Folding and Lapping Machine
See Page 19

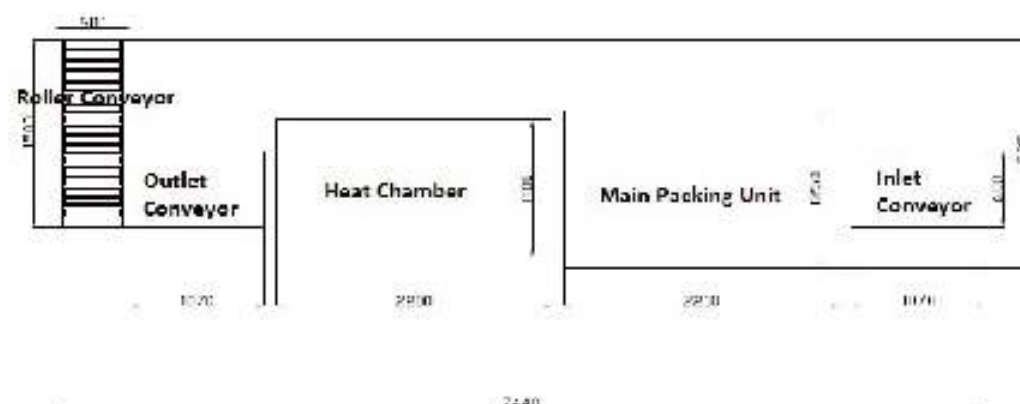


Heat Chamber

Features:

- 1). The cardboard bolts could be transported by the Inlet Conveyor or manually to the Main Packing Unit for both width and side sealing through a polythene film.
- 2). The length of the Incoming cardboard bolts are detected by the sensitive photoelectric sensor; while the width and height could be adjusted by handle so as to ensure there will be no polythene film wastage during packing.
- 3). On the completion of the side sealing, the packed cardboard bolts could be transferred to the Heat Chamber so as to crimp the polythene tightly over the cardboard bolts, which ensures a vacuum packing effect.
- 4). The complete system is PLC controlled; Easy for Operation.
- 5). Protective Device and Safety Controls are build in the machine; Safe and Reliable.
- 6). Option: Inlet Conveyor; Heat-shrink Machine; Roller Conveyor and Fabric Stage.

Work Flow:



Technical Specifications:

Model:	ST-CBPM
Standard Packing Size:	1100X450X150mm (LXWXH)
Packing Material:	POF, Max. Film Width: 800mm; Thickness: 13-30 microns
Packing Capacity:	5-20pcs/min
Machine Dimensions(LXWXH):	2200X1250X1500mm (for standard model)
Compressed Air Pressure:	5-7bar
Electric Specs:	Single Phase - 220V; 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



PACKED BOLTS:
(VACUUM PACKING EFFECT)

ST-SFIM

SIMPLE FABRIC INSPECTION MACHINE
(UNIVERSAL FABRIC INSPECTION; IDEAL FOR KNITTED FABRIC)

ST-SFIM is suitable for a wide range of fabrics, from tension-sensitive elastomeric and lycra fabrics to stable woven, technical and upholstery materials.

Options:



Computer Supported Quality Control System (24 defects/4-point system)



"ARGON" barcode Printer

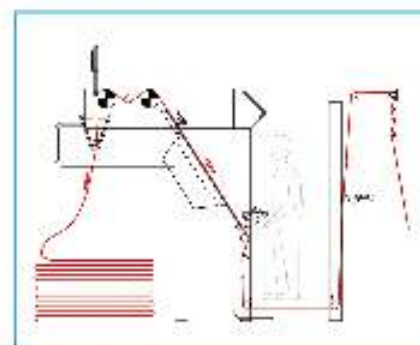


Features:

- 1). End of Fabric Roll Stop Sensor- Allow for next roll joining, continuously from one piece of fabric to next.
- 2). Full Width Fabric Inspection- With 30 degree fixed angle inspection screen.
- 3). Accurate Length Counting(Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 4). Available for different Fabric Input and Output Presentation, like plait to plait, roll to plait etc.- Synchronize with other production operations.

Technical Specifications:

Model:	ST-SFIM
Speed:	0-100m/min
Fabric Width:	1.8 - 4.0 meters
Dimensions(LXWXH):	2500X3500X2750mm(For model ST-SFIM-180 only)
Weight:	800kgs(For model ST-SFIM-180 only)
Electric Specs:	3Phase - 380V; 50HZ(can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-HRM

FABRIC ROLLING & MEASURING MACHINE
(IDEAL FOR GARMENT FACTORY & FABRIC DISTRIBUTOR)

ST-HRM Horizontal Fabric Rolling Machine is used to handle a wide range of rolled fabrics, which is specially designed for garment factory & fabric distributor. This machine can be used for fabric inspection, measuring, rolling and cross cutting purpose.

Options:



Linear Fabric End Cutter

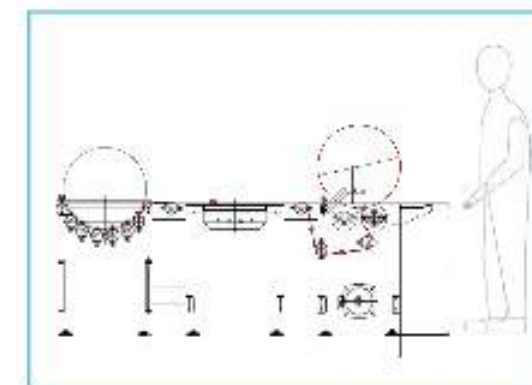


Features:

- 1). Accurate Length Counting(Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 2). Full Width Fabric Inspection- with fixed flat inspection screen.
- 3). Sturdy Roll Cradle for the coming fabric roll unwinding.
- 4). Consistent Roll Output - Roll Hardness adjustable.
- 5). Movable wheels.
- 6). Foot Switch for easy Stop/Start controlling.
- 7). Linear Fabric End Cutter - Optional.

Technical Specifications:

Model:	ST-HRM-160
Speed:	0 - 90m/min
Fabric Width:	1.6-4.0 meters
Standard Roll Diameter:	500mm
Dimensions(LXWXH):	2000 x 1700 x 865mm
Weight:	600kgs
Electric Specs:	3 Phase-380V; 50HZ(Can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs



ST-WFIM

WOVEN FABRIC INSPECTION MACHINE
(ECONOMIC TYPE-FOR DENIM FABRIC ALSO)

ST-WFIM is suitable for a wide range of woven materials, including denim fabrics.

Options:



Computer Supported Quality Control System (24 defects & 4-point system)



"ARGOX" barcode Printer



Automatic Weighing Scale



Linear Fabric End Cutter

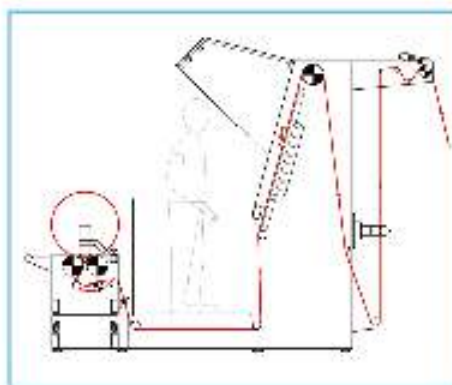


Features:

- 1). End of Fabric Roll Stop Sensor- Allow for next roll joining, continuously from one piece of fabric to next.
- 2). Full Width Fabric Inspection- With 30 degree fixed inspection screen.
- 3). Accurate Length Counting (Y/M)- Counting error ≤ 0.1 m/km.
- 4). Accurate Fabric Edge Controlling- Edge alignment error ≤ 6 mm.
- 5). Consistent Roll Output- Roll hardness adjustable.
- 6). Available for different Fabric Input and Output Presentation, like plait to roll, roll to roll etc.- Synchronize with other production operations.
- 7). Selvage Shifting Device- Ideal for Thick/Sulzer Selvages. (Option)

Technical Specifications:

Model:	ST-WFIM
Speed:	5 - 60m/min
Fabric Width:	1.8 - 4.0 meters
Standard Roll Diameter:	500mm
Dimensions(LXWXH):	3050X2630X2430mm(for model ST-WFIM-180 only)
Weight:	1000kgs(for model ST-WFIM-180 only)
Electric Specs:	3Phase-380V; 50HZ(can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-KFIM

OPEN WIDTH KNITTED FABRIC INSPECTION MACHINE
(IDEAL FOR TENSIONLESS CHECKING)

ST-KFIM is suitable for a wide range of fabrics, from tension-sensitive elastomeric and lycra fabrics to stable woven, technical and upholstery materials, especially designed for A-frame entry with Conveyor Belt System.

Options:



Computer Supported Quality Control System (24 defects & 4-point system)



"ARGOX" barcode Printer



Automatic Weighing Scale



Linear Fabric End Cutter



A-frame Entry
+
Conveyor Belt System

Features:

- 1). Auto Tensionless Checking- With unique mechanical and electrical device combination for making fabric feeding, delivery and re-winding synchronous.
- 2). Full Width Fabric Inspection- With 60 degree fixed angle inspection screen.
- 3). Curled Edges Controlling- With scroll roller system and de-curling system for perfect roll generation.
- 4). Accurate Length Counting (Y/M)- Counting error ≤ 0.1 m/km.
- 5). Accurate Fabric Edge Controlling- Edge alignment error ≤ 6 mm.
- 6). Consistent Roll Output- Roll hardness adjustable.
- 7). Available for different Fabric Input and Output Presentation, especially designed for A-frame to Roll Checking, Roll to Roll Checking, etc.- Synchronize with other production operations.

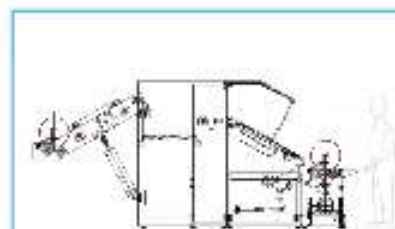
Technical Specifications:

Model:	ST-KFIM
Speed:	5 - 40m/min
Fabric Width:	1.8m-4.0meters
Standard Roll Diameter:	500mm
Dimensions(LXWXH):	4300X2700X2000mm(for model ST-KFIM-220 only)
Weight:	1350kgs (for model ST-KFIM-220 only)
Electric Specs:	3Phase-380V; 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.

A-FRAME TO ROLL CHECKING



ROLL TO ROLL CHECKING



ST-KFIM-01

OPEN WIDTH KNITTED FABRIC INSPECTION MACHINE (IDEAL FOR TENSIONLESS CHECKING)

ST-KFIM-01 is suitable for a wide range of fabrics, from tension-sensitive elastomeric and lycra fabrics to stable woven, technical and upholstery materials.

Options:



Computer Supported Quality Control System (24 defects & 4-point system)



ARGOX barcode Printer



Automatic Weighing Scale



Linear Fabric End Cutter

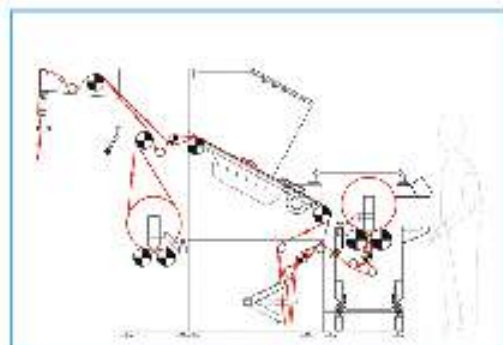


Features:

- 1). Auto Tensionless Checking- With unique mechanical and electrical device combination for making fabric feeding, delivery and re-winding synchronous.
- 2). Full Width Fabric Inspection- With 60 degree fixed angle inspection screen.
- 3). Curled Edges Controlling- With scroll roller system and de-curling system for perfect roll generation.
- 4). Accurate Length Counting(Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 5). Accurate Fabric Edge Controlling- Edge alignment error $\leq 6\text{mm}$.
- 6). Consistent Roll Output- Roll hardness adjustable.
- 7). Available for different Fabric Input and Output Presentation, like plait to roll, roll to roll etc.- Synchronize with other production operations.

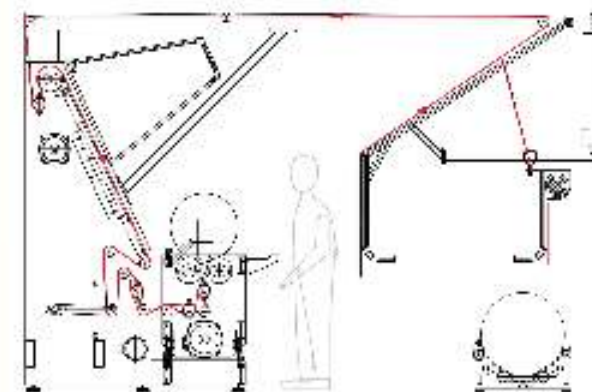
Technical Specifications:

Model:	ST-KFIM-01
Speed:	5 - 54m/min
Fabric Width:	1.8 - 4.0 meters
Standard Roll Diameter:	500mm
Dimensions(LXWXH):	3300X2900X2000mm(for model ST-KFIM-01-240 only)
Weight:	1200kgs(for model ST-KFIM-01-240 only)
Electric Specs:	3Phase-380V, 50HZ(can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-KFIM-02

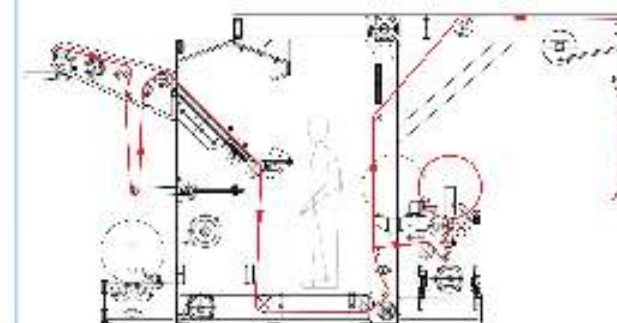
GRAY FABRIC SLITTING & INSPECTION MACHINE



Suitable for Knitted Fabrics, Input from Tubular Fabrics and Output to Open Width Knitted Fabric in Rolls.

ST-KFIM-03

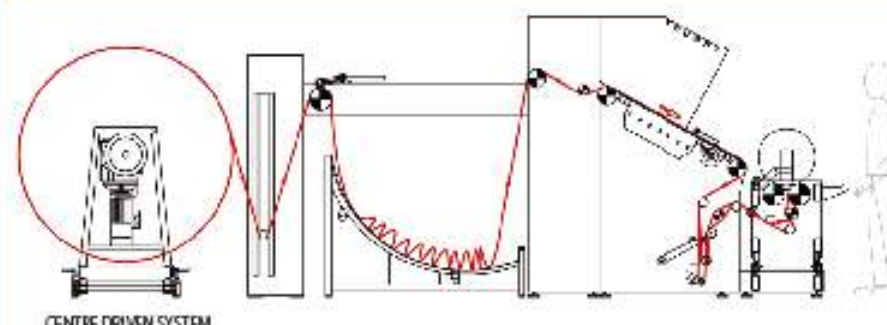
OPEN WIDTH KNITTED FABRIC INSPECTION MACHINE



Suitable for Knitted Fabrics with Versatile Fabric Input and Output forms, especially for tensionlessly checking Fabrics from Roll/Plait to Roll/Plait.

ST-KFIM-04

OPEN WIDTH KNITTED FABRIC INSPECTION MACHINE



CENTRE DRIVEN SYSTEM

Suitable for continuous fabric checking. Big Batches are driven by Center Driven System with no contact to output in small rolls.

ST-TFIM

TUBULAR FABRIC INSPECTION MACHINE

ST-TFIM is specially designed for easily and efficiently inspect the both sides of tubular fabric in single pass operation. The fabric is loaded and pass to the fabric checking light box, through two mirrors, the operator can easily check both sides of fabric. This machine can be supplied to operate fabrics from roll to roll or plait; or with various other fabric inlet and outlet options.



Features:

- 1). Fabric Rolling Drawer-With upper delivery mode lessen fabric tension and more convenient for inspection.
- 2). The inspection speed is controlled by inverter as requirement.
- 3). High Voltage Dispenser- For lightning system-special device provides electricity power to the Fabric Checking Box wireless.
- 4). Multi-size Inspection Lightening Cabinets from Width 16"-50" for Requirements of Various Fabric.- This special box installed magnetic block in the bottom to suspension automatically against the roller to eliminate crease marks to fabric.
- 5). Easy Operation Panel- Only few push buttons to run the machine smoothly.
- 6). Remote Foot Pedal for convenient operation.

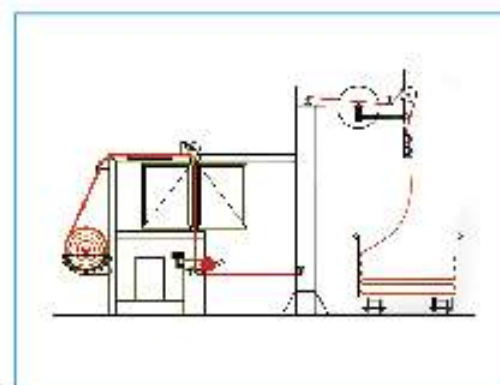
OPTION 1:

SUITABLE FOR TUBULAR FABRIC FROM ROLL TO ROLL.



OPTION 2:

SUITABLE FOR TUBULAR FABRIC FROM ROLL TO ROLL/PLAIT.



Technical Specifications:

Model:	ST-TFIM
Speed:	0 - 50m/min
Fabric Width:	400 - 1250mm
Standard Roll Diameter:	500mm
Dimensions(LXWXH):	2300X1700X2070mm
Weight:	800kgs
Electric Specs:	Single-phase/220V; 50HZ(can be adjusted to suit for different countries)
Remark:	Various working width is possible and can be tailor-made to your requirements of processing needs.

ST-BM-01

BATCHING MACHINE (WITH DIRECT CENTRE DRIVEN SYSTEM)

ST-BM-01 is suitable for a wide range of fabrics, especially for continuous process "A" frame batch and re-winding to small rolls. This machine can provide synchronized fabric input or output to "A" frame with constant tension control, with peripheral fabric contact for delicate or heavy duty fabrics.

Options:



Computer Supported Quality Control System (24 defects/4-point system)



"ARGOX" barcode Printer



Automatic Weighing Scale



Linear Fabric End Cutter



CENTRE DRIVEN SYSTEM FOR UNWINDING

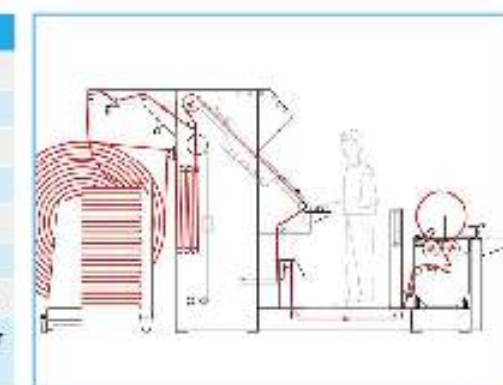
Features:

- 1). Direct Centre Driven System for Un-winding- "A" frame fabric is unwound from non-contact center driven system especially ideal for checking delicate or heavy duty fabrics.
- 2). Auto Tensionless Checking-Speed is controlled by an adjustable light Roller Accumulator for fabric input & output automatic synchronization.
- 3). Full Width Fabric Inspection- With 60 Degree Fixed Angle Inspection Screen.
- 4). Stable Running&Easy Operation- PLC controlling, Touching Screen operation, simple!
- 5). Accurate Fabric Edge Controlling- Edge alignment error $\leq 6\text{mm}$.

- 6). Accurate Length Counting(Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 7). Consistent Roll Output- Roll hardness adjustable.
- 8). Available for different Fabric Input and Output Presentation-Synchronize with other production operations.
- 9). Pneumatic Roll Ejection Device- Heavy produced rolls can be pushed by the pneumatic cylinder arms so as to save labor power.(Option)
- 10). Sampling-Fabric Sample can be taken by automatic linear cutter and the rest fabric can be stitched by automatic sewing machine for on going checking.(Option)

Technical Specifications:

Model:	ST-BM-01
Speed:	5 - 50m/min
Fabric Width:	1.8 - 4.0 meters
Max.Un-winding Diameter:	1500mm
Max.Re-winding Diameter:	500mm
Dimension(LXWXH):	4370X2350X2210mm(for model ST-BM-01-180 only)
Weight:	1300kgs(for model ST-BM-01-180 only)
Electric Specs:	3Phase-380V;50HZ(can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-BM-02

BATCHING MACHINE

(WITH DIRECT CENTRE DRIVEN SYSTEM)

ST-BM-02 is suitable for a wide range of fabrics, especially for continuous process "A" frame batch and de-batch. This machine can provide synchronized fabric input or output to "A" frame with constant tension control, with peripheral fabric contact for delicate or heavy duty fabrics.

Options:



Computer Supported Quality Control System (24 defects & 4-point system)



"ARGOX" barcode Printer



CENTRE DRIVEN SYSTEM FOR UNWINDING

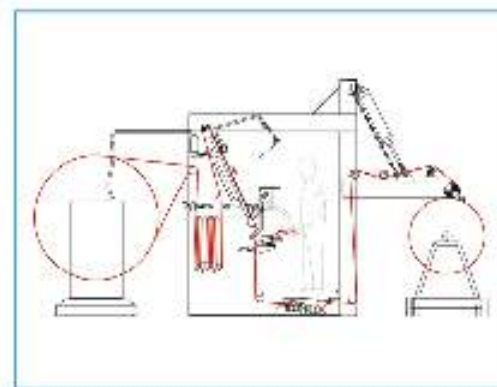
Features:

- 1). Direct Center Driven System & Surface Contact Peripheral Drive Roller with Pneumatically Controlled Arm. - "A" frame fabric is unwound from non-contact center driven system and wound by peripheral drive roller with pneumatically controlled arm, especially ideal for checking delicate or heavy duty fabrics.
- 2). Auto Tensionless Checking- Speed is controlled by an adjustable light roller accumulator for fabric input & output automatic synchronization.
- 3). Full Width Fabric Inspection- With 30 Degree Fixed Angle Inspection Screen.
- 4). Stable Running & Easy Operation- PLC controlling, Touching Screen operation, simple!

- 5). Accurate Fabric Edge Controlling- Edge alignment error $\leq 8\text{mm}$.
- 6). Accurate Length Counting (Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 7). Bow/Banana Roller to eliminate fabric creasing and roll distortions.
- 8). Available for Different Fabric Input and Output Presentation- Synchronize with other production operations.
- 9). Sampling- Fabric Sample can be taken by automatic linear cutter and the rest fabric can be stitched by automatic sewing machine for on going checking. (Option)

Technical Specifications:

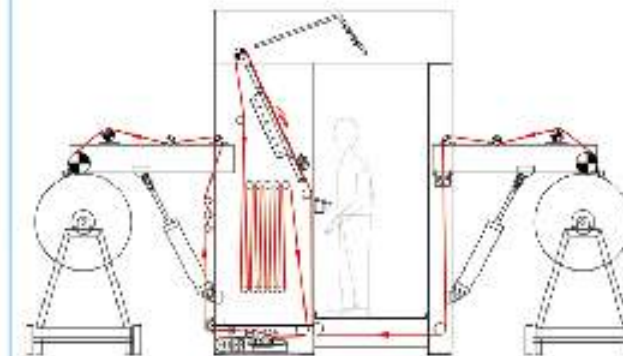
Model:	ST-BM-02
Speed:	5 - 40m/min
Fabric Width:	1.8 - 4.0 meters
Max.Un-winding Diameter:	1800mm
Max.Re-winding Diameter:	1800mm
Dimension(LXWXH):	4800X3100X3000mm(for model ST-BM-02-180 only)
Weight:	1250kgs(for model ST-BM-02-180 only)
Electric Specs:	3Phase-380V/50HZ(can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-BM-03

BATCHING MACHINE

(BATCH TO BATCH)

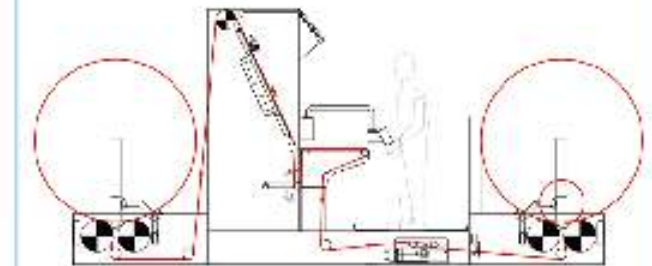


Continuous process "A" frame batch and de-batch rolling machine, synchronised fabric input or output to "A" frame with constant tension control, with peripheral fabric contact for delicate or heavy duty fabrics.

ST-BM-04

BATCHING MACHINE

(BIG ROLL TO SMALL ROLL/BIG ROLL)

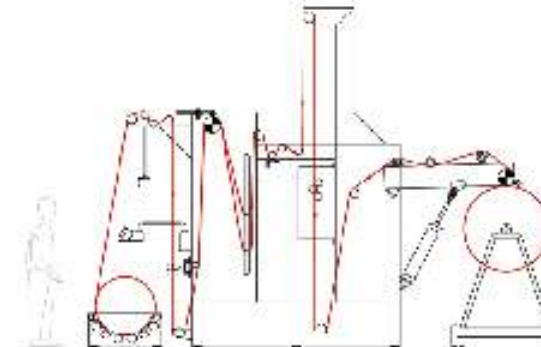


Surface winding and re-winding rolling machine for continuous process fabrics from big roll to small roll / big roll, with constant tension control, ideal for heavy duty fabrics.

ST-BM-05

BATCHING MACHINE

(PLAITED FABRIC/SMALL ROLL TO BATCH)



Continuous process fabrics from plait or small roll to "A" frame with constant tension control, with peripheral fabric contact for delicate or heavy duty fabrics.

ST-DFLM

DOUBLE FOLDING & LAPPING MACHINE (DOUBLE FOLDED ON PAPER/WOOD BOARD)

ST-DFLM is for woven, tulle, Jacquard ... fabrics. This machine can be supplied to operate fabrics from plait/loose form to fabrics on slab/card board, or with various other fabric inlet options.

Related Product:



ST-CBPM Automatic Cardboard Belt Packing Machine
See Page 07

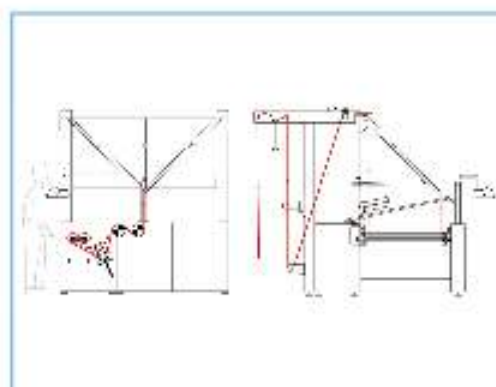


Features:

- 1). Doubling, measuring, lapping any type of fabrics with inlet from plait/loose fabrics, rolls or batchers and with outlet on slabs/card board.
- 2). For proper folding, special systems for thin and sensitive fabrics.
- 3). Automatic alignment of selvage on the doubling triangle with very sensitive and precise photo-electric guide.
- 4). Reliable measuring with electronic calibrated counter meter system.
- 5). Hard or loose folding feature, due to torque controlled, from inlet of fabric to end of fabrics on slab/card board.
- 6). Foot switch is used to withdraw the finished fabrics and send the empty sword plate.

Technical Specifications:

Model:	ST-DFLM
Speed:	0 - 70m/min
Fabric Width:	1.8 - 4.0 meters
Major Axis Max.:	700mm
Dimension(LXWXH):	2660X2120X2300mm (for model ST-DFLM-180 only)
Weight:	1000kgs (for model ST-DFLM-180 only)
Electric Specs:	3Phase - 380V, 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-DFRM

DOUBLE FOLDING & ROLLING MACHINE (DOUBLE FOLDED ON PAPER TUBE)

ST-DFRM is for woven, tulle, Jacquard ... fabrics. This machine can be supplied to operate from plait/loose fabrics to roll, or with various other fabric inlet options.

Options:



Linear Fabric End Cutter

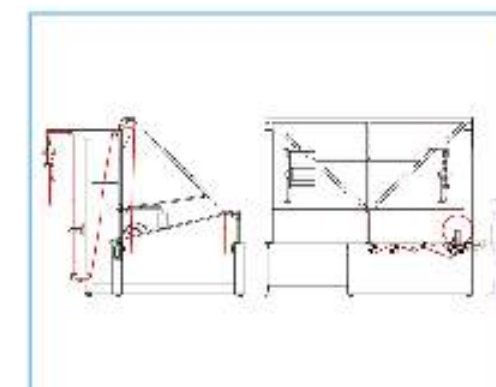


Features:

- 1). Doubling, measuring, rolling any type of fabrics with inlet from plait/loose fabrics, rolls or batchers and with outlet on rolls.
- 2). For proper folding, special systems for thin and sensitive fabrics.
- 3). Automatic alignment of selvage on the doubling triangle with very sensitive and precise photo-electric guide.
- 4). Reliable measuring with electronic calibrated counter meter system.
- 5). Hard or loose folding feature, due to torque controlled, from inlet of fabric to end of the roll.

Technical Specifications:

Model:	ST-DFRM
Speed:	0 - 80m/min
Fabric Width:	1.8 - 4.0 meters
Major Axis Max.:	500mm
Dimension(LXWXH):	3500X3500X3030mm (for model ST-DFRM-320 only)
Weight:	1600kgs (for model ST-DFRM-320 only)
Electric Specs:	3Phase - 380V, 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-DFSM

AUTOMATIC TUBE-SEWING MACHINE (ESPECIALLY FOR LYCRA AND ELASTOMERIC FABRICS)

ST-DFSM allows the automatization of selvedge sewing operation of knit fabrics for dyeing. Since lycra is increasingly being used in textile industry, a process of heat fixing of the fabric is required before dyeing. For this reason the raw tubular fabric has to be slit open, heat fixed and then sewn in tubular form again to be dyed.



Single-thread Sewing

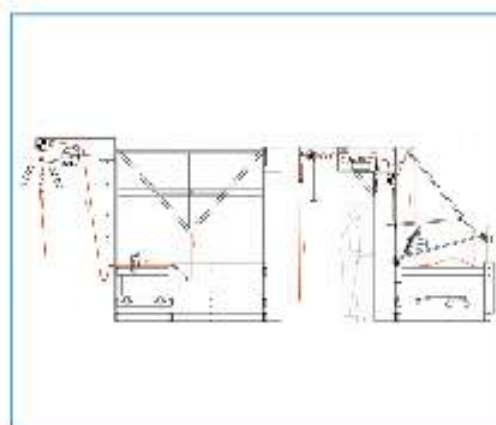


Features:

- 1). Doubling, sewing, plaiting any type of fabrics from plait/loose fabric to plait/loose fabric.
- 2). For proper folding, special systems for thin and sensitive fabrics as well as fabrics with curled edges.
- 3). PLC controlled for synchronized operation.(option)
- 4). Automatic alignment of selvedge on the doubling triangle with very sensitive and precise photo-electric guide. Edge alignment error $\leq 6\text{mm}$.
- 5). Sewing carriage(JUKI Brand Sewing Machine/DDI-8700) with Auto-Search of the fabric edge.
- 6). System of motorized drawing to avoid harmful skids for the seam.
- 7). Accurate Length Counting(Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 8). Single-thread Sewing. Easy to open the thread once the dyeing is finished.

Technical Specifications:

Model:	ST-DFSM
Doubling Speed:	0 - 80m/min
Sewing Speed:	0 - 30m/min
Fabric Width:	1.2 - 2.4meters (standard)
Needle Distance:	1 - 5mm (adjustable)
Dimensions(LXWXH):	4750X3250X3000mm (for model ST-DFSM-220 only)
Weight:	1500kgs (for model ST-DFSM-220 only)
Electric Specs:	3Phase - 380V; 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-TFSM-01

TUBULAR FABRIC SLITTING MACHINE (EVOLUTION TYPE, FOR RAW AND WET FABRICS)

ST-TFSM-01 is mainly applicable after rope dyeing. It is used to slit & open roped fabric and has been specially designed for continuous high speed operation in automatic mode. The machine material could be A3 Steel or Stainless Steel, which could be suitable for both raw and wet fabrics.

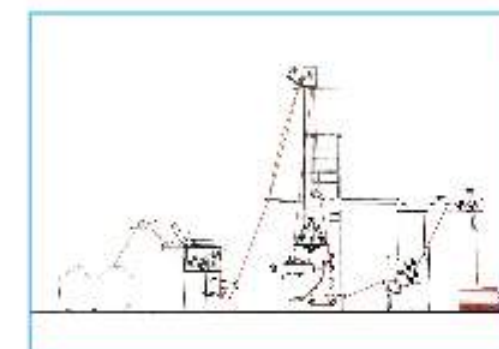


Features:

- 1). Raisable Frame and Automatic Detwister: Automatic detwister for fabric rope. The signal from feeler is picked up by proximity switches. Fabric rope engagement is by means of rotary opening rollers.
- 2). Slitting Basket: By means of a handwheel, the diameter of the round basket can be expanded from 320 to 800mm, so as to facilitate the spreading of fabric and prevent permanent weft distortions, as may be generated by the slitting process.
- 3). Needle Drop Sensor: Needle drop sensor can detect the needle drop on the fabric and adjust the basket to place the fabric in proper slitting position. Both slitting and rope opening function.
- 4). Spreading-Centering Unit: It automatically open the fabric and then centre it, to ensure that the fabric is alignment in the centre of the machine.
- 5). Hydraulic Turntable - Option: Controlled by full power, 1800mm diameter, for fabric carriage rotation in heavy duty conditions. It facilitate the operation of rope detwisting after washing or dyeing.
- 6). Squeezing Unit for Fabric Ropes - Option: Squeezing unit J-box with an oscillating chute for self adjustment of speed, to be installed on the entry of the line to reduce the quantity of water contained in the fabric.

Technical Specifications:

Model:	ST-TFSM-01
Running Speed:	0 - 100m/min
Fabric Width:	2.0 - 2.5 meters
Max. Rope Diameter:	$\phi 800\text{mm}$
Material:	Stainless Steel 304 for wet fabrics/A3 Steel for dry fabrics
Electric Specs:	3Phase - 380V; 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-TFSM-02

TUBULAR FABRIC SLITTING MACHINE (SIMPLE TYPE, FOR RAW AND DRY FABRICS)

ST-TFSM-02 allows the cutting and the opening of the tubular raw fabric from roll. The cut on the fold of the fabric is made by a disk cutter whose position is adjustable in width depending on the size of the roll. The machine uses a motor with variable speed from 0 to 60 m/min.



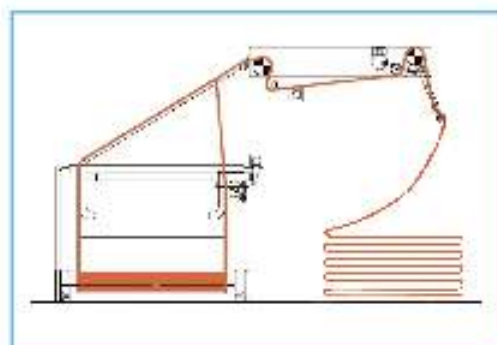
Vertical Slitting with cutter on fold

Features:

- 1). Simple Fabric Input Control. Fabric input from free running or motor driven rollers for simple and effective control.
- 2). End of roll automatic stop sensor - for next roll joining.
- 3). Build with Horizontal Slitting. (Option)
- 4). Foot Switch Controlling-Used to start or stop machine flexibly. (Option)

Technical Specifications:

Model:	ST-TFSM-02
Speed:	0 - 60m/min
Fabric Width:	1.8 - 4.0 meters
Standard Roll Diameter:	500mm
Standard Roll Weight:	50kg
Electric Specs:	3Phase - 380V; 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.



ST-USCM

ULTRASONIC CUTTING MACHINE (FABRIC SELVEDGE OR STRIP CUTTING)

ST-USCM is used for a wide range of fabrics, especially polyester, viscose etc. This machine can be used to cut selvage or cut stripes.

Options:



Laser Cutter



Heat Cutter



Linear Fabric End Cutter

Details:



Ultrasonic Cutter



ULTRASONIC CUTTER

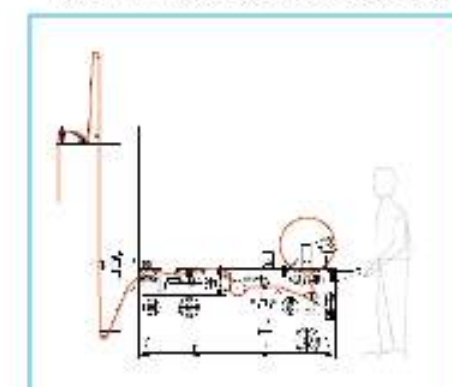
Features:

- 1). End of Fabric Roll Stop Sensor- Allow for next roll joining, continuously from one piece of fabric to next.
- 2). Accurate Length Counting(Y/M)- Counting error $\leq 0.1\text{m/km}$.
- 3). Consistent Roll Output- Roll hardness adjustable.
- 4). Perfect Edge Alignment & Accurate Selvage Cutting- Special device to make the cutting error $\pm 5\text{mm}$.
- 5). Waste collection after cutting.
- 6). Available for different Fabric Input and Output Presentation, like plait to roll, roll to roll etc.- Synchronize with other production operations.
- 7). Full Width Fabric Inspection. (option)

Technical Specifications:

Model:	ST-USCM-180
Speed:	0 - 30m/min
Fabric Width:	1.8 - 4.0 meters
Standard Roll Diameter:	500mm
Dimension(LXWXH):	2786X2620X2820mm(for model ST-USCM-180 only)
Weight:	700kgs(for model ST-USCM-180 only)
Electric Specs:	3Phase-380V; 50HZ(can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.

MACHINE WITHOUT INSPECTION FUNCTION



ST-FISM

FABRIC INSPECTION & SLITTING MACHINE (COLD CUTTING)

ST-FISM is suitable for PVC coated fabrics, artificial leather etc. Which can be used for slitting, inspection and rewinding.

Options:



Computer Supported Quality Control System (24 defects & 4-point system)



"ARGOK" barcode printer



Automatic Weighing Scale



Linear Fabric End Cutter

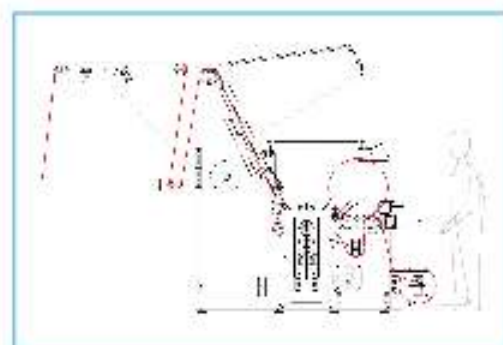


Features:

- 1). End of Fabric Roll Stop Sensor- Allow for next roll joining, continuously from one piece of fabric to next.
- 2). Full Width Fabric Inspection - With 30 degree fixed angle inspection screen.
- 3). Accurate Length Counting(Y/M) - Counting Error $\leq 0.1\text{m/km}$.
- 4). Consistent Roll Output- Roll Hardness Adjustable.
- 5). Mechanical Cutter for Selvage and Strip Cutting.
- 6). Waste collection after cutting.

Technical Specifications:

Model:	ST-FISM
Speed:	0 - 30m/min
Fabric Width:	1.8 - 4.0 meters
Standard Roll Diameter:	500 mm
Weight:	1000kgs
Electric Specs:	3 Phase-380V; 50HZ(Can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs



ST-ASCM

COMPUTERIZED FABRIC CUTTING MACHINE

ST-ASCM is used to cut textile swatches for mass production. It is suitable for all types of fabrics as well as for leather, artificial leather, felt, carpet, etc.

Details:



Control Panel



Cutting Effect



Features:

- 1). Effortless cutting of any fabric quality-Far superior to hand operated machines.
- 2). Precise and accurate thanks to right angle guide with millimeter graduation.
- 3). Easy to operate, fast and powerful.
- 4). Safe, computerized operated.
- 5). Reliable and maintenance-free.

Technical Specifications:

Model:	ST-ASCM
Fabric Type:	All fabrics
Cutting Length:	1600mm (for model ST-ASCM-1600 only)
Cutting Height:	80mm
Cutting Blade Hardness:	Japanese imported alloy steel
Cutting Accuracy Error:	Less than 0.5mm
Electric Specs:	380V; 50HZ, 3 Phase (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs

ST-MSCM

FABRIC SAMPLE CUTTING MACHINE (MOTORIZED TYPE)

ST-MSCM is used to cut fabric samples with attractive zig-zag edges.

- Precise and accurate with millimeter guide.
- Safe, two-hand operated.
- Mobile, ready to use anywhere.
- Reliable and maintenance-free.



Features:

- 1). Zig-zag Serrated Blade
Durable alloy steel zig-zag serrated blade.
- 2). Long Life Cutting Mat
A cutting mat is included for preventing the blade from damage during the cutting operation.
- 3). Scaled Cutting Table
Cutting table is scaled on one side to allow the operator to decide the size of cut accurately.

Technical Specifications:

Model:	ST-MSCM
Knife Length:	500mm (standard)
Cutting Height:	50mm
Drive:	Motorized
Weight(Net):	135KGS
Electric Specs:	220 - 240V/50HZ
Cutting Blade Hardness:	HRC63-65
Remark:	Variable blade length is possible and can be tailor-made to your requirements of cutting needs.

ST-HSCM

FABRIC SAMPLE CUTTING MACHINE (HAND TYPE)

ST-HSCM is used to cut swatches or samples of textiles with attractive zig-zag edges.

- For efficient sample cutting.
- Suitable for small numbers of samples.
- Mechanical safety guard.
- Economical Models.



Features:

- 1). Zig-zag Serrated Blade
Durable alloy steel zig-zag serrated blade.
- 2). Long Life Cutting Mat
A cutting mat is included for preventing the blade from damage during the cutting operation.
- 3). Scaled Cutting Table
Cutting table is scaled on one side to allow the operator to decide the size of cut accurately.

Model:	ST-HSCM
Knife Length:	500mm (standard)
Cutting Height:	15mm - at full width / 45mm - at half width
Drive:	Hand Operated
Weight(Net):	45KGS
Cutting Blade Hardness:	HRC63-65
Remark:	Variable blade length is possible and can be tailor-made to your requirements of cutting needs.

ST-FRM

FABRIC RELAXING MACHINE

ST-FRM is mainly used to eliminate the tension of knit fabrics; Besides, it will keep fabrics tidy for storage. With the increasing use of elastomeric and Lycra fabrics in all sectors of apparel and textile industries, ST-FRM is becoming popular and it can work with the spreading machine for good efficiency.



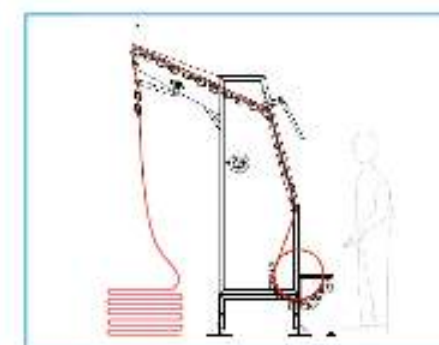
Features:

- 1). Simple Fabric Input Control.
- 2). Fabric Input from free running or motor driven rollers for simple and effective control.
- 3). Roller Conveyors for Synchronization Unrolling & Plaiting.
- 4). End of roll automatic stop sensor - For next roll joining.
- 5). Build with Inspection Function. (Option)

Technical Specifications:

Model:	ST-FRM
Speed:	0 - 60m/min
Fabric Width:	1.6 - 3.0 meters
Standard Roll Diameter:	500mm
Standard Roll Weight:	100kg
Electric Specs:	3Phase - 380V; 50HZ (can be adjusted to suit for different countries)
Remark:	Variable working width is possible and can be tailor-made to your requirements of processing needs.

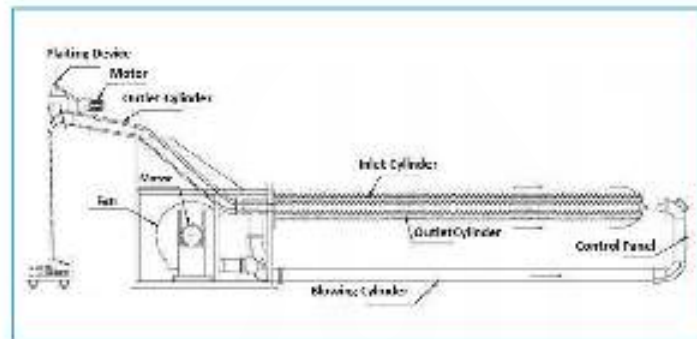
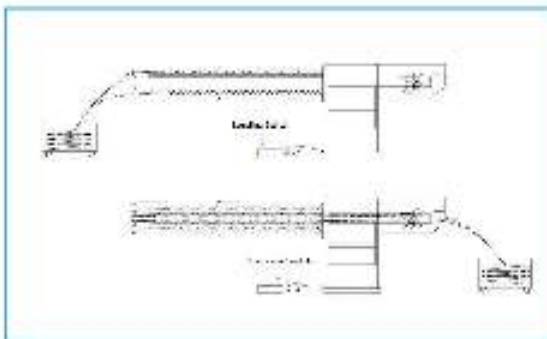
MACHINE WITH FABRIC INSPECTION FUNCTION



ST-TFRM

TUBULAR FABRIC REVERSING MACHINE

ST-TFRM is specially designed for turning the cylindric shape pure fabrics inside out before they are ready to be dyed and does not cause any damage to the fabric after dyeing.



Technical Specifications:

Model:	ST-TFRM-400	ST-TFRM-500
Working Mode:	Airflow Turning	Airflow Turning
Max. Capacity:	100kg	200kg
Max. Speed:	80m/min	120m/min
Total Power:	7.8kw	8.25kw
Length of the Reversing Cylinder:	4000mm	5000mm
Dimension:	6250X1350X1800mm	7420X1150X1760mm
Weight:	800kg	1000kg

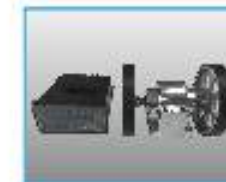
SUNTECH

ACCESSORIES



1
ST-GC
GSM Cutter

Cutting Area:	100cm ²
Sample Thickness:	0.1mm-10mm
Dimensions:	40cm x 30cm x 35cm
Weight:	15kg



2
ST-SP-DCM
Digital Counter Meter
(with Wheel-type Encoder)

Counting Unit:	Meter, Yard (1M=1.09361Y)
Range of Length:	0.1~99999.9M
Length Measurement Error:	±0.1m/m
Power Consumption:	≤3W



3
ST-SP-CG
Electrical Cloth Guide

The Working Width:	1200-4000 mm
Working Speed:	<200m/min
The Install Location:	Vertical or horizontal or inclined
Power Supply:	180V-240V 50HZ-60HZ



4
ST-SP-EAPS
Edge-alignment Photo
Sensor

Edge Alignment Error:	±6mm
Photoelectric Detector:	2 pairs
Signal Output:	Independent non-contact output
Power Supply:	AC12V ±10%



5
ST-SP-4PS
Computer Supported Quality Control System
(24 defects&4-point system)

Application:	1) Record date, order No., batch no., operator's name, color etc. 2) Record 24 kinds of defects and its location. 3) Give 1-4 point penalty as per the seriousness of defects. 4) Monitor processing, manage production, control inventory, share and analysis the statistics.
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6
ST-SP-LC
Linear Fabric End Cutter

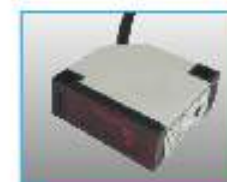
The Working Width:	1200-4000mm
The Cutter Diameter:	Φ108mm
Rotate Speed:	14000r/min
Power Supply:	220V/110V



7
ST-SP-WS
Automatic Weighing Scale
Weighing Capacity: 0-2000KGS



8
ST-SP-BP
'ARGOX' barcode Printer



9
ST-SP-FESS
Fabric End Stop Sensor



10
ST-SP-AFT
A-Frame Trolley
Capacity: 1000-5000KGS