



"Quality is our Motto"



**GAYATRITEX ENGINEERS PVT LTD.**

[www.gayatritex.com](http://www.gayatritex.com) / [www.fabricinspection.com](http://www.fabricinspection.com)



**GAYATRITEX ENGINEERS PVT. LTD.** Mumbai is the only company in india manufactures complete range of Fabric inspection System, under one roof with a which spread across the globe . **Mr. Vinod Panchal**, who is the founder of **GAYATRITEX**, has a Wide experience of more than 15 years in this field & industry.

He him self was been a Design Engineer for more than 12 years in many esteemed companies and in 2007 he went into co-found his own companies **GAYATRI**.

The company has been day by day updating and making modification in each and every machines to meet the ever increasing demand on quality and the need of our customer such as save time and increased productivity etc.

Considering our activity in each and every year we can able to increase our sales with the help of our valued customers, due to which in a short span of 2 years, we have achieve a very good target in Indian Market and as well as International Market, Considering our quality and other inputs and also considering the fact that, we are fulfilling all our requirements to our Customers and also manufacture the machines according to the customer's requirements which will exactly suit to them, up till now, we have supplied a good number of machines throughout India & International Market which are working quite satisfactorily.

## **QUALITY CONTROL & ASSURANCE**

In the development of high performance inspection machines **Gayatritex** takes into consideration lot of innovations & years of experience to meet all customer demands.





## Our Production Program

- 06 - 11 FABRIC INSPECTION SYSTEM
- 12 - 13 FABRIC KNITTED INSPECTION SYSTEM
- 14 - 15 FABRIC PREPARATION
- 16 - 20 FABRIC PACKING & CONVEYOR SYSTEM
- 21 - 23 FABRIC ROLLING SYSTEM
- 24 - 25 FABRIC DOUBLE FOLD SYSTEM
- 27 FABRIC BRUSHING SYSTEM
- 28 MATERIAL HANDLING EQUIPMENT
- 29 FABRIC SAMPLE CUTTING SYSTEM
- 30 ACCESSORIES

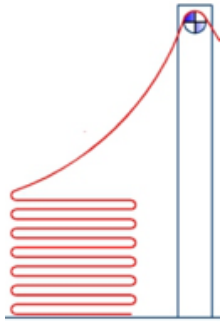
INSIGHTS

# LIVE

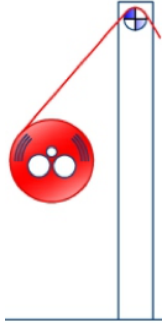
### THE FACTORY FLOOR

Our products conform to the International Quality Standards and are manufactured by the combined effort of our skilled engineers and a dedicated work force.

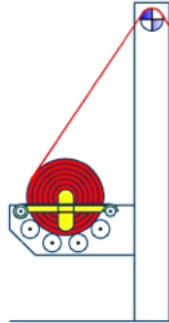
## INPUT OPTIONS



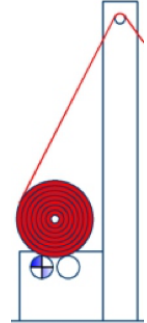
Pile



Non Driven Roll



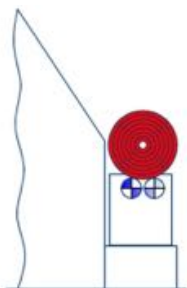
Non Driven Cradle



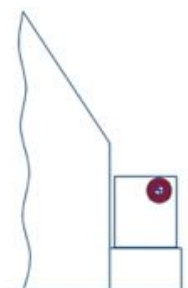
Surface Unwinder



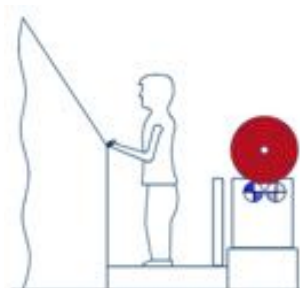
## OUTPUT OPTIONS



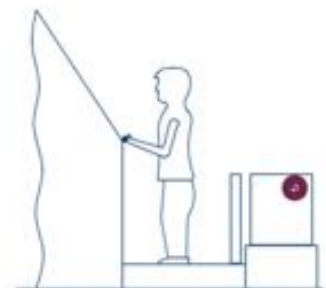
Surface Winder  
Infront Operator



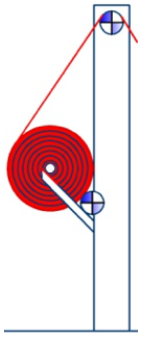
Centre Shaft Winder  
Infront Operator



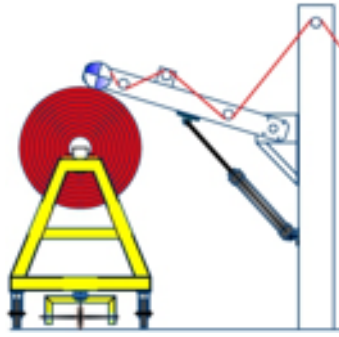
Surface Winder  
Behind Operation



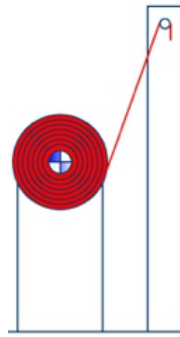
Centre Shaft Winder  
Behind Operator



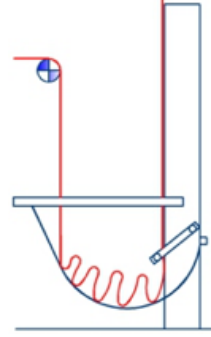
**Single Roll Surface Unwinder**



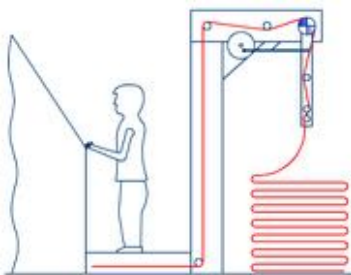
**Surface Unwinder Big Batcher**



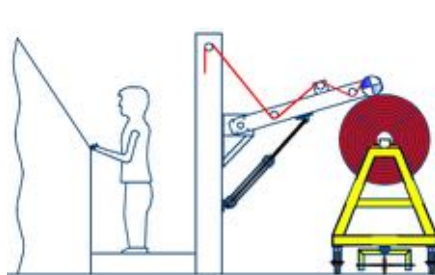
**Axial Unwinder Big Batcher**



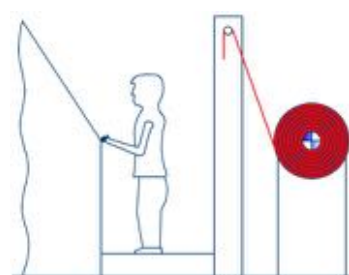
**Continuous Process**



**Pile**



**Surface Winder Big Batcher**



**Axial Winder Big Batcher**

## CHECK MASTER-FINISH

The most advanced, 'State of art Fabric Inspection Model Check Master-Finish is a pride of "GAYATRI" & is comparable to most high end technology machines. This Model covers full range of possibilities and is suitable from most delicate to heavy fabric quality promising high accuracy to tensionless fabric handing and length measurement. Check Master-Finish is equipped with PLC Controls which has been developed to considerably reduce labour, improve productivity and operator efficiency. A dream machine for all quality textile manufactures.

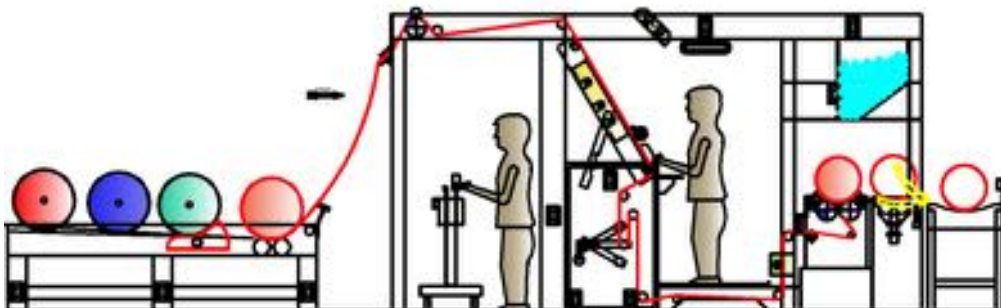


### Features :

- ❖ Suitable for all kinds of Fabrics
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Top & Bottom Illumination
- ❖ Mechanical Counter Meter
- ❖ Auto Tension control
- ❖ Accurate Fabric Edge Control
- ❖ Adjustable angle of Inspection table
- ❖ Scroll Roll & Bow pipe to Control Crease

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Hood on Inspection Table
- ❖ Foot Switch Control
- ❖ Paper Tube Storage Rack
- ❖ Width Measuring Scale
- ❖ Auto Cutting, Weighing & Doffing
- ❖ Selvage Shifting Device for Thick Selvage
- ❖ Variable Roll Compactness
- ❖ Software for Data Logger



## CHECK MASTER - B

The Development of this multi drive high performance model CHECK MASTER-B is born out of lots of innovation & years of experience to meet all customers demands the guarantee therefore is Tensionless handing of fabric, accurate length measurement and perfect straight selvedge & compact rolling.

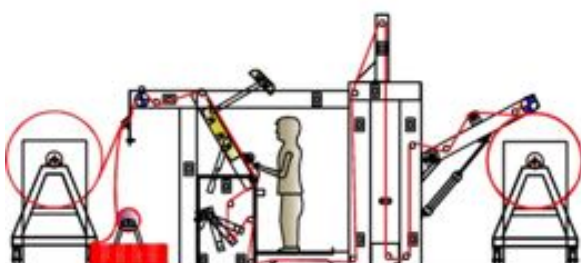


### Features :

- ❖ Suitable for all kinds of Fabrics
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Top & Bottom Illumination
- ❖ Mechanical Counter Meter
- ❖ Auto Tension control
- ❖ Accurate Fabric Edge Control
- ❖ Adjustable angle of Inspection table
- ❖ Scroll Roll & Bow pipe to Control Crease

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Hood on Inspection Table
- ❖ Foot Switch Control
- ❖ Paper Tube Storage Rack
- ❖ Width Measuring Scale
- ❖ Auto Cutting, Weighing & Doffing
- ❖ Selvedge Shifting Device for Thick Selvedge
- ❖ Variable Roll Compactness
- ❖ Software for Data Logger



## CHECK MASTER - I

One of the most popular multi drive model *Check Master-I* is best suitable for small warehouse and medium scale textile mills at greige, intermediate and final stage of textile production.

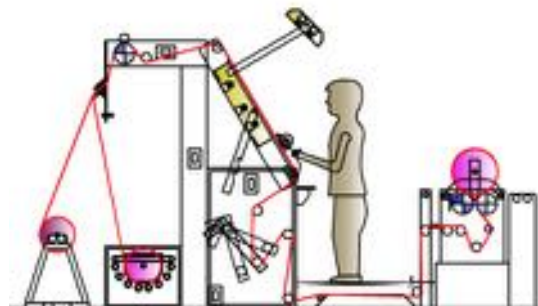
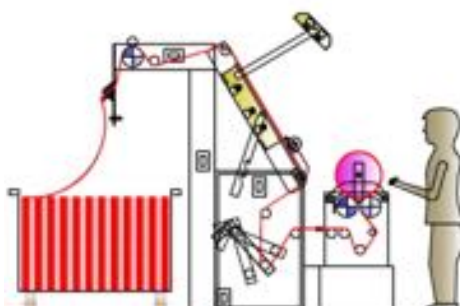


### Features :

- ❖ Suitable for all kinds of Fabrics
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Top & Bottom Illumination
- ❖ Mechanical Counter Meter
- ❖ Auto Tension control
- ❖ Accurate Fabric Edge Control
- ❖ Adjustable angle of Inspection table
- ❖ Scroll Roll & Bow pipe to Control Crease

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Hood on Inspection Table
- ❖ Foot Switch Control
- ❖ Paper Tube Storage Rack
- ❖ Width Measuring Scale
- ❖ Auto Cutting, Weighing & Doffing
- ❖ Selvage Shifting Device for Thick Selvage
- ❖ Variable Roll Compactness
- ❖ Software for Data Logger





## CHECK MASTER - B (Pile - Pile)

The most innovative and low cost machine enables a very comfortable and efficient mending operation allowing free hands on inspection & greige fabric mending, improves production efficiency, prevents manual pulling of fabric thus avoids crush marks of the fabric.



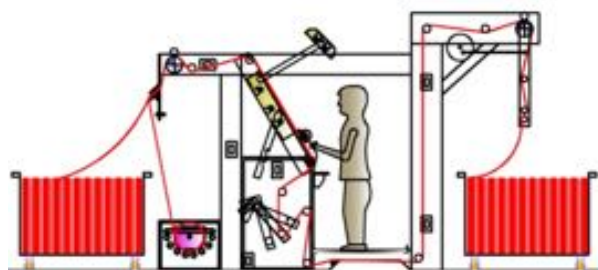
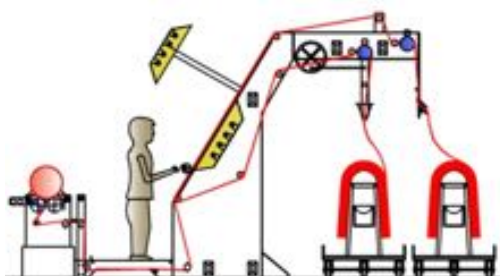
### Features :

- ❖ Suitable for all kinds of Fabrics
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Mechanical Counter Meter
- ❖ Top & Bottom Illumination

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Foot Switch Control
- ❖ Width Measuring Scale

## CHECK MASTER - I (Pile - Pile)



## MASTER MEND - ROLL

The Most innovative and low cost machine enables a very comfortable and efficient mending operation allowing free hands on inspection & greige fabric mending, improving production efficiency, preventing manual pulling of fabric.

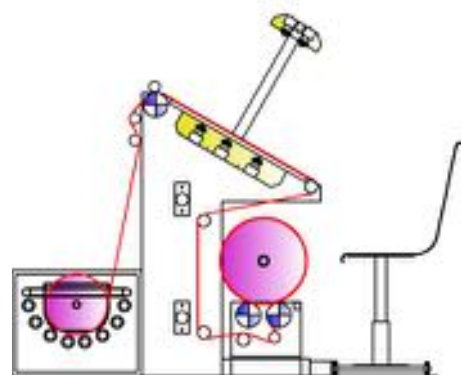
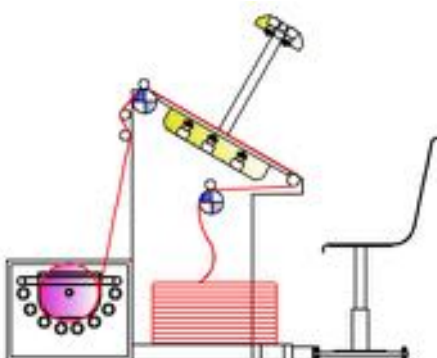


### Features :

- ❖ Suitable for all kinds of Fabrics.
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Mechanical Counter Meter
- ❖ Top & Bottom Illumination

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Foot Switch Control
- ❖ Width Measuring Scale



## CHECK MASTER - BASIC

This very low cost and easy to operate model is the most basic form assessing fabric quality and is ideal for small warehouse, garment and retail unit.

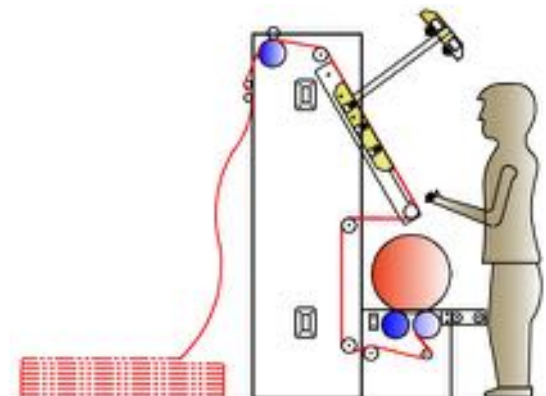


### Features :

- ❖ Suitable for all kinds of Fabrics.
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Mechanical Counter Meter
- ❖ Top & Bottom Illumination

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Foot Switch Control
- ❖ Width Measuring Scale



## CHECK MASTER - KNITT

A Easy to operate compact inspection cum rolling machine is ideal for silk, and knitted fabric.

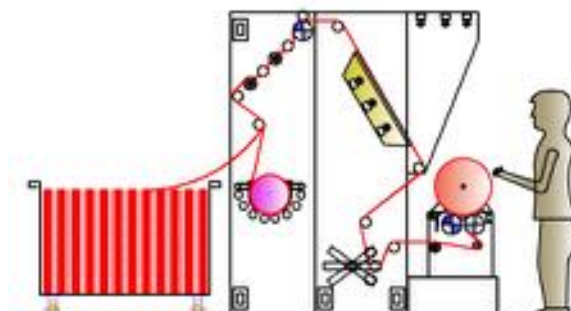


### Features :

- ❖ Tensionless Fabric Controls
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward & Reverse run
- ❖ Mechanical Counter Meter
- ❖ Positive Scroll control to Crease
- ❖ Top & Bottom Illumination
- ❖ Accurate Fabric Edge Control

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Hood on Inspection Table
- ❖ Adjustable Angle of Inspection Table
- ❖ Paper Tube Storage Rack
- ❖ Variable Roll Compactness
- ❖ Auto Cutting, Weighing & Doffing
- ❖ Software for Data Logger



## CHECK MASTER - TUBEKNIT

This Model 'Tubeknit' is designed to examine tubular fabric using single pass viewing method, This System can be supplied to handle a wide range of tubular knitted fabric directly from the knitting Process.

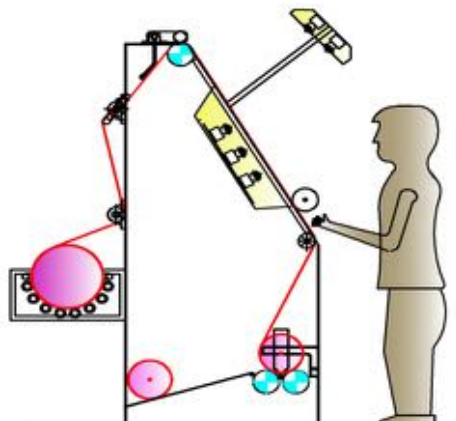


### Features :

- ❖ Tensionless Fabric Controls
- ❖ Variable speed 5 - 50 Meters/Min.
- ❖ Full Forward & Reverse run
- ❖ Mechanical Counter Meter
- ❖ Positive Scroll control to Crease
- ❖ Top & Bottom Illumination
- ❖ Accurate Fabric Edge Control

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Hood on Inspection Table
- ❖ Adjustable Angle of Inspection Table
- ❖ Variable Roll Compactness
- ❖ Software for Data Logger



## FABRIC PREPARATION

The **GAYATRI** Big-Batching Machine, is a combination of small processes to join small fabric rolls to big batch. With years of experience and number of installation, we are confident to supply many possible process in one machine. It can make big batch fabric small rolls with additional equipments like Conveyors, Anti-Weighing, Auto-Sewing operation, Inspection Table with Lights, Brushing and Beating Unit, J-Scray with Plaiter & Big-Batch output option. This saves lots of space, manpower, time and number of operations are possible in one go. simple Roll to Batch machine can also be supplied for fabric width from 150 cms. to 600 cms. fully **TAILOR-MADE MACHINE** and allows to join any possible process in same machine.

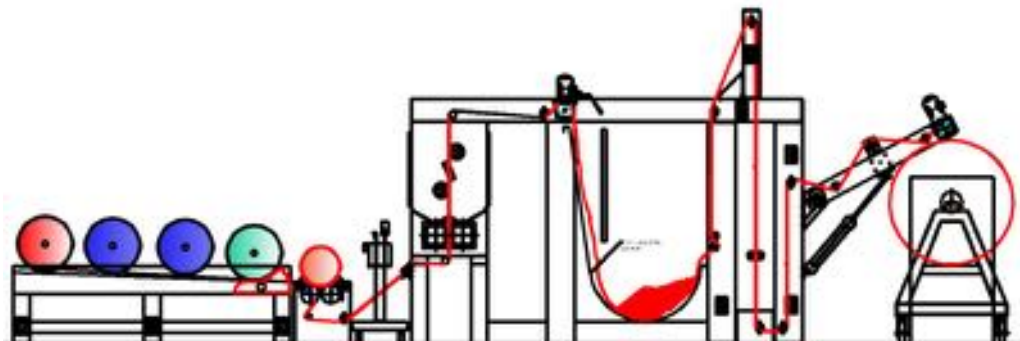


### Features :

- ❖ Suitable for all kinds of Fabrics.
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward Run
- ❖ Uniform Tension Control
- ❖ Mechanical Counter Meter
- ❖ J Scarey of Cloth Storage
- ❖ Accurate Fabric Edge Control
- ❖ Rolling Face IN/OUT
- ❖ Scroll Roll & Bow pipe to Control Crease

### Optional :

- ❖ Electronic Counter Meter
- ❖ Selvedge Shifting Device for Thick Selvedge
- ❖ Railway Sewing Machine
- ❖ Brushing Machine
- ❖ Auto Roll Feed System



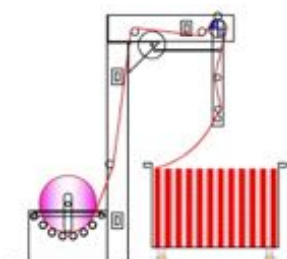
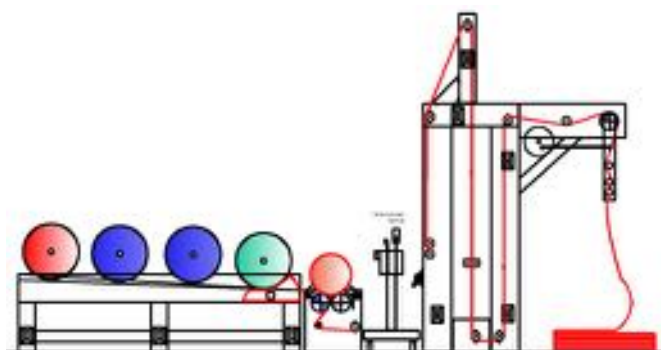
## FABRIC ROLL OPENER

The GAYATRI Roll Opener Machine, Fabric roll can open from roll form to fold form. Highly used for measuring and folding greige department to save manpower, suitable for all types for fabric Woven, Non-Woven & Technical Fabrics, including delicate fabrics like Silk, Knits and Lycra.



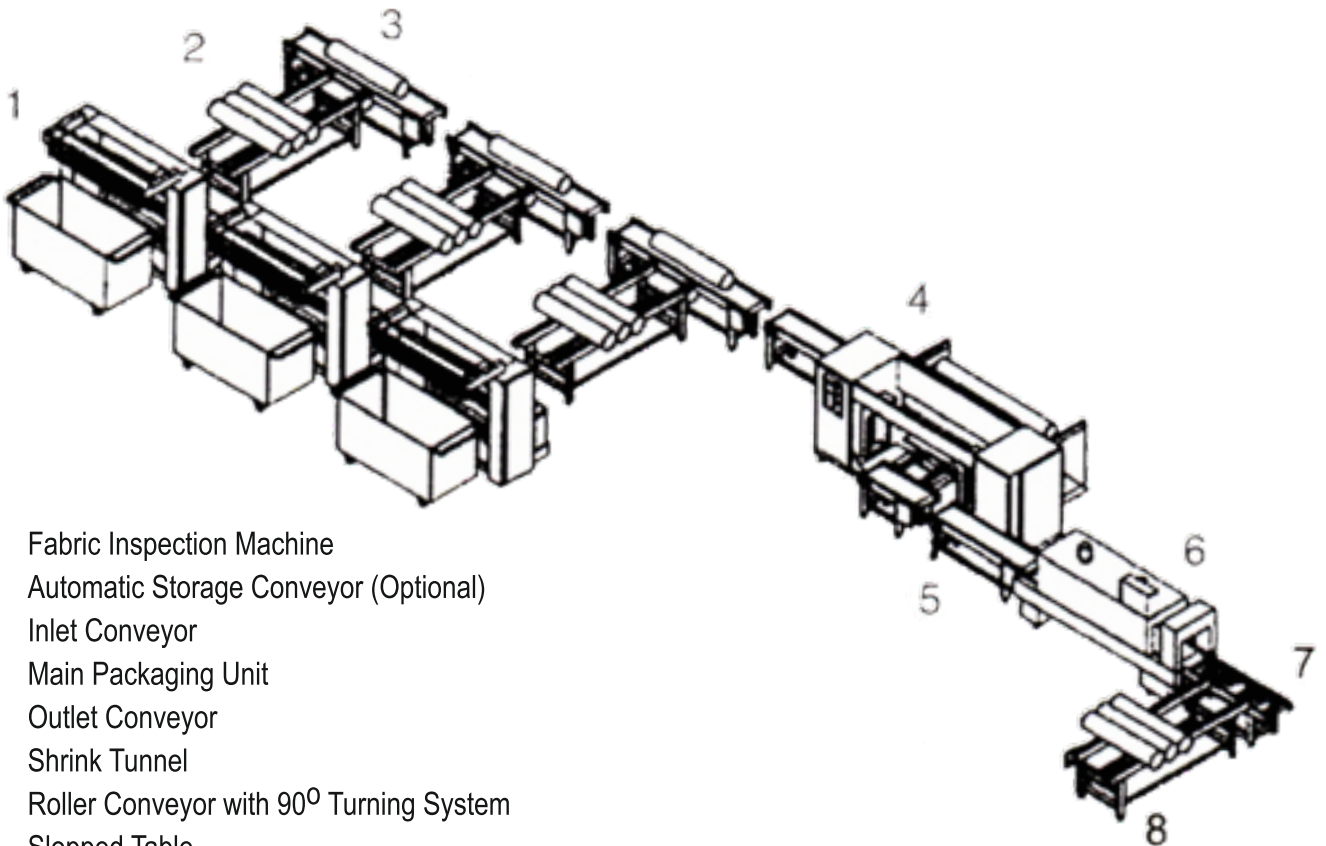
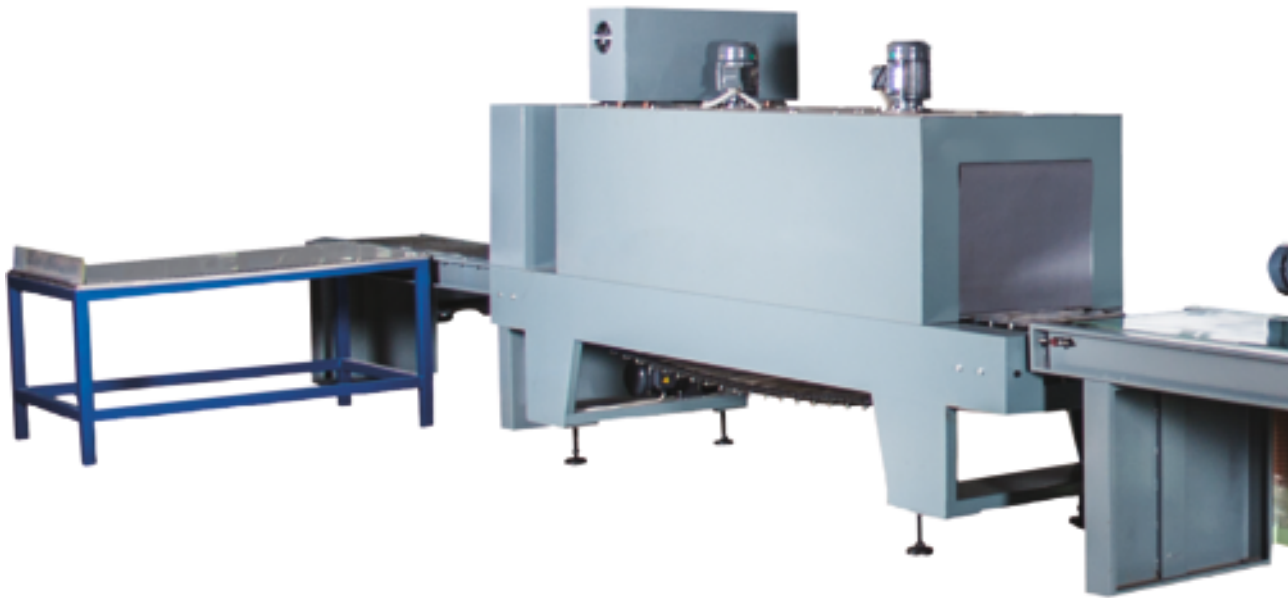
### Features :

- ❖ Suitable for all kinds of Fabrics.
- ❖ Variable speed 5 - 70 Meters/Min
- ❖ Full Forward Run
- ❖ Uniform Tension Control
- ❖ Mechanical Counter Meter



## AUTOMATIC FABRIC ROLL PACKING MACHINE

The **GAYATRI** Automatic Packing Machine, Pack Master is fully automatic fabric roll packing machine. It produces presentable packed rolls with high production rate and low cost. Pack Master can be incorporated with number of inspection machine using conveyer system. After packing fabric rolls are transported to a shrinking unit to shrink pack the rolls which again is doffed on trolley.



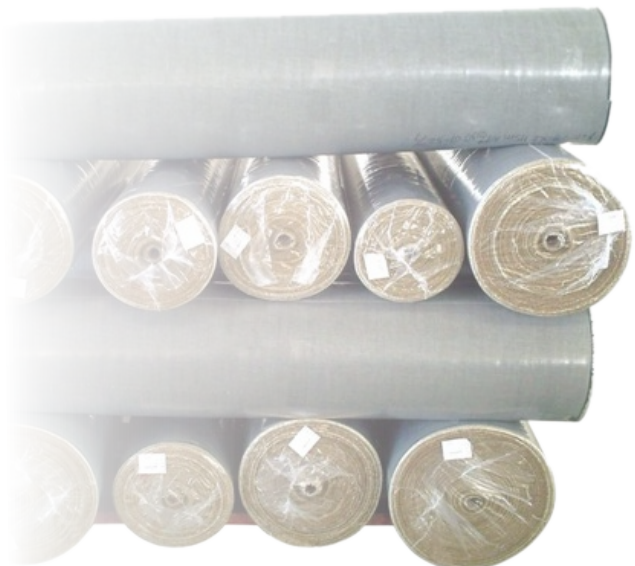
1. Fabric Inspection Machine
2. Automatic Storage Conveyor (Optional)
3. Inlet Conveyor
4. Main Packaging Unit
5. Outlet Conveyor
6. Shrink Tunnel
7. Roller Conveyor with 90° Turning System
8. Slopped Table





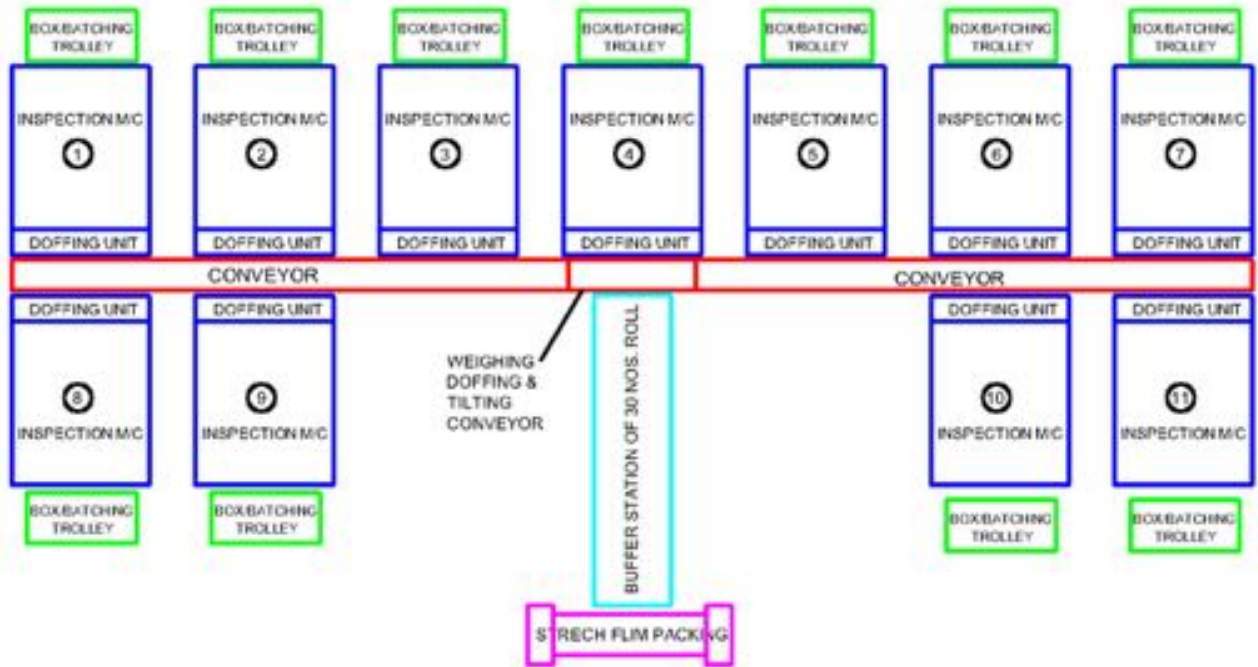
### Features:

- ❖ Automatically nylon film wrapping up to 500 mm diameter fabric roll
- ❖ Packing capacity is 8-10 fabric roll/min
- ❖ PLC controlled command system
- ❖ Thickness of film is 70-120 micron
- ❖ Edge closing made by thermic system
- ❖ Shrink operation by passing through the hot air tunnel
- ❖ Automatic entering to machine from more than one machine by conveyor system.



## AUTOMATIC CONVEYORISED PACKING PLANT

Automatic Packing Plant has the flexibility to integrate specific client requirements in our machines and systems. This endeavor to offer very individual solutions is supported by our in-house department. In the first instance, we serve as consultants in our contacts with our clients, with the aim of devising an optimum specification to meet their need. As soon as we have acquired a satisfactory picture of this need, we draw up a clear proposal of how our machines and systems can be used to meet it. The added value of **GAYATRI** can best be expressed in processes to which one or more of the following criteria apply.



### Features:

- ❖ Motorized conveyor
- ❖ Buffer Stations
- ❖ Bar coding systems
- ❖ Auto Weighing
- ❖ Automatic Packing machine
- ❖ Auto Labeling systems
- ❖ Auto sorting & transfer of roll to trolleys





## STRETCH WRAPPING MACHINE

This machine is ideally suitable for large weaving mills manufacturing heavier and wider-width cloth rolls like Denim Fabrics, Carpets, Upholsteries, where cloth in Roll-Forms are to be protected from dust & moisture when in storage and in subsequent transportation. The automated operation cycle can be programmed and monitored through microprocessor interface. This machine saves huge labour costs as well as packing time apart from convenience while loading trucks / containers when dispatched from mills. Changing over from Shrink wrapping to this type of Stretch Wrapping, gives huge amount of savings in power costs, and hence its cost of investment is paid back within 'few months'.



### Features:

- ❖ Suitable for packing any rolls of Denim Cloth, Curtain Cloth, Carpets, Foam sheets, Fabrics.
- ❖ High productivity 30 - 50 rolls/hour
- ❖ Tremendous savings in labor, time and money
- ❖ Highly durable dust and moisture proof packing
- ❖ Powered Pre-Stretch unit to minimize film consumption
- ❖ Variable stretch percentage up to 300%
- ❖ Adjustable traverse to suit different roll width
- ❖ Controlled film tension
- ❖ Variable Overlap, Variable End Reinforcements, Variable Stretch Percentage and Variable Roller Speed
- ❖ Digital counters for end reinforcement wrap setting, film consumption and stretch percentage display
- ❖ Simple to operate, sturdy & safety control panel
- ❖ Cradle for easy loading of film
- ❖ Easy loading and unloading of Fabric roll and ease of integration into conveyor lines
- ❖ Excellent after-sales-service support

# FABRIC ROLLING SYSTEMS

To fulfil your need to roll fabric from roll or pile from whether the purpose is inspection measuring cut to length or to improve roll. Presentation the **GAYATRI** model MINI ROLLING serves the purpose.

The Light duty low cost, easy to operate and compact by size model is ideal for warehouse or retail units.



## MINI ROLLING

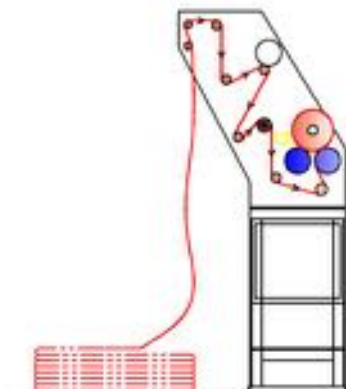
### Features :

- ❖ Fix speed of 50 Mtrs/min
- ❖ Compact winding directly on paper tubes
- ❖ Highly productive due to short set up and less change-over time.
- ❖ Available up to 1800mm width
- ❖ Standard roll diameter 150mm



### Optional :

- ❖ Variable Speed
- ❖ Mechanical Counter Meter



## MASTER ROLL PLUS

The **GAYATRI Rolling Machine** is a perfect tool for fabric winding with technology focused on fabric care. Master Roll consists of photocell-controlled edge guider, which delivers straight and presentable rolls. Master Roll can be supplied with highly accurate electronic length counter meter. Anti-crease roller ensures that all creases are removed before rolling. Master Roll pays back in a short period.



## MASTER ROLL

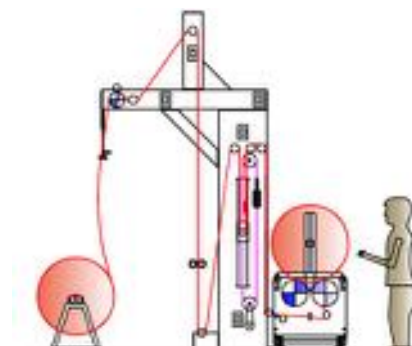
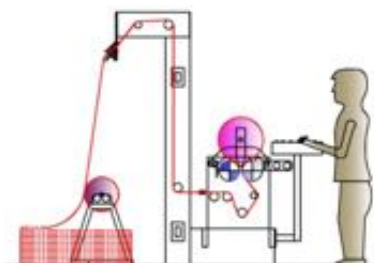


### Features :

- ❖ Suitable for all kinds of Fabrics
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward Run
- ❖ Mechanical Counter Meter
- ❖ Auto Tension control
- ❖ Accurate Fabric Edge Control
- ❖ Scroll Roll & Bow pipe to Control Crease

### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Selvage Shifting Device for Thick Selvage
- ❖ Auto Cutting, Weighing & Doffing
- ❖ Variable Roll Compactness
- ❖ Software for data Logger



## MINI INSPECTION + ROLL

The **GAYATRI** Mini Table Rolling Machine, is reliable tool for mending and inspection jobs. Top and Bottom tube light allows perfect defect view and adjustable inspection angle allows easy mending work. Sliding chain can be provided for operator. It is solution between rolling and Mini Inspection process.



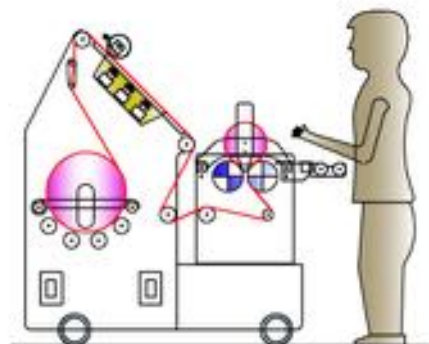
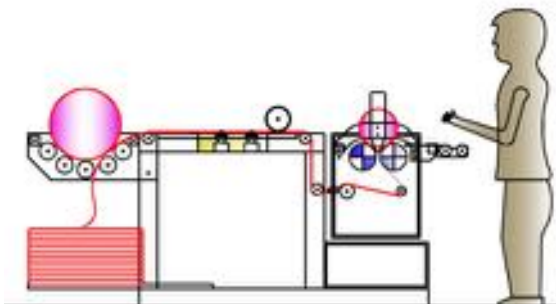
### Features :

- ❖ Suitable for all kinds of Fabrics.
- ❖ Variable speed 5 - 50 Meters/Min
- ❖ Full Forward Run
- ❖ Mechanical Counter Meter
- ❖ Accurate Fabric Edge Control
- ❖ Scroll Roll & Bow pipe to Control Crease



### Optional :

- ❖ Auto Stop at Feed
- ❖ Electronic Counter Meter
- ❖ Selvage Shifting Device for Thick Selvage
- ❖ Variable Roll Compactness



## DOUBLE FOLD LAPPING

The **GAYATRI** Double Folding Machine, DFLM is specially designed for Lapping the fabric on strawboard. From years of experience and Italian know-how, we have designed DFLM with Multi-Synchronisation, which does not create stretch, elongation and bowing effect. With the help of electronic counter meter, machine automatically stops at the provided input length and the auto cutter cuts will start cutting the fabric without the use of any manual efforts.

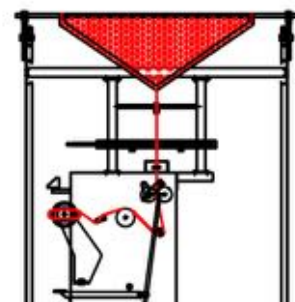
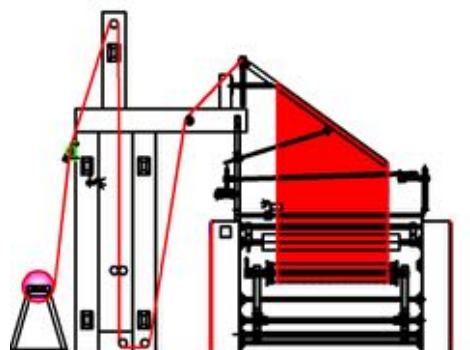


### Features :

- ❖ Full Forward Run Only
- ❖ Mechanical Length Counter Meter
- ❖ Manual Selvedge Guider on doubling the Fabric
- ❖ Variable Compactness

### Optional :

- ❖ Electronic Length Counter Meter
- ❖ Auto Stop at Feed
- ❖ Electronic Selvedge Guider on doubling the Fabric
- ❖ Auto Cutting Device





## DOUBLE FOLD & OPEN WIDTH PLATING MACHINE

The **GAYATRI** Fabric Double Fold & Open Width Plaiting Machine, is perfect tool for plating the fabric in one meter fold. Fabric is Single / Double Folded & Plated at high speed and eliminates KAATA process. Accurate meter fold and speed fabric plating increases production. Fold is adjustable from 90cm to 120 cms.



### Features :

- ❖ Fabric inlet from roll or flat fold Form
- ❖ Fabric outlet in Plaiting Form
- ❖ Adjustable Fabric Tension
- ❖ Fixed Speed 50 meter/min.
- ❖ Safety sensors and Emergency stop is provided

### Optional :

- ❖ Digital length counter meter
- ❖ Auto- Stop at Feed
- ❖ Variable speed from 0 - 50 meter/min.

## DOUBLE FOLD ROLLING



## THAN FOLDING





G M FABRICS PVT LTD



NIRVAN SILK MILLS PVT LTD



NEPOLEAN TEXTILE MILLS PVT LTD



RISHABH APPERAL PVT LTD



SYMBOLIC FABRICS PVT LTD

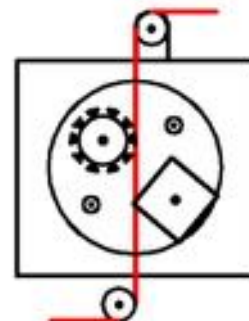
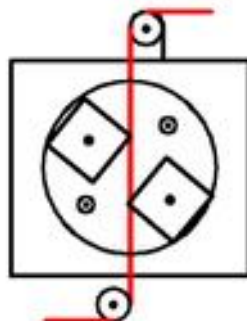
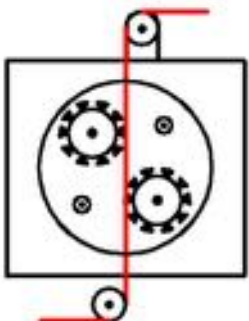
## FABRIC BRUSHING MACHINE

**GAYATRI** Brushing & Beating Machine, MASTER BRUSH is reliable tool to remove working impurities from fabric. It brushes and beats the fabric and all the dust is taken away by high pressure suction device. Modular Design of MASTER BRUSH allows to fix this unit by means of just 4 bolts on any existing machine like, Stenter, Sizing, Calendar, Inspection, etc. Adding MASTER BRUSH adds a process in your existing machine and save manpower..



### Features :

- ❖ Brushing Systems contains a pair of brush rolls to remove the dust & impurities to clean the fabric.
- ❖ Beaters can also be provided with the same systems.
- ❖ Tension mechanism is provided with guide rolls to increase the brushing intensity.
- ❖ High Pressure Suction & Dust Collector Systems.
- ❖ Can be install in line with finishing machines.



# MATERIAL HANDLING EQUIPMENT

**HORES BACK TROLLEY**



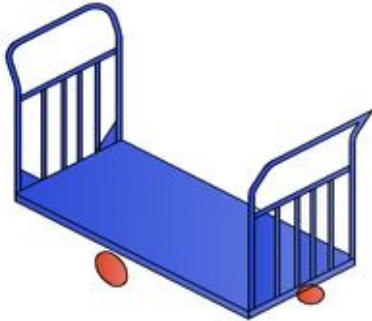
**BATCHING TROLLEY**



**YARN TROLLEY**



**THAN TROLLEY**



**ROLL STORAGE TROLLEY**



**TAKKA TROLLEY**



**BOX TROLLEY**



**PALLET TRUCK**



**CLOTH ROLL TROLLEY**



## FABRIC SAMPLE CUTTING SYSTEM

GAYATRI Sample Cutting Machine, **SUPER CUT** is a perfect and reliable tool for samples of Fabric in ZigZag design. High Quality Blade and Motorisation allows to cut the number of fabric pieces in one stroke. Safety Laser Sensors makes sure that operators hands are out, when machine strokes.



**SUPER CUT**

### Features :

- ❖ Highly efficient and easy operated sample cutting machine.
- ❖ Zig-Zag Cutting Blade
- ❖ The machine automatically stops after single stroke with proxy sensor mechanism.
- ❖ Sizes available are 18", 24" & 32"

### Optional :

- ❖ Laser Sensors for cutting
- ❖ Lights are provided for clear vision.



## ACCESSORIES

**ELECTRONIC COUNTER METER**



**MECHANICAL COUNTER METER**



**WEIGHING UNIT**



**BARCODING**



**FABRIC CUTTER**



**SCROLL ROLL**



**DOFFING UNIT**



**CLOTH GUIDER**



**BOW ROLL**



**LOOM BATCHER**



**DATA LOGGER**







"Quality is our Motto"

## **GAYATRITEX ENGINEERS PVT LTD.**

**DESIGN & MANUFACTURERS OF TEXTILE MACHINERY**

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