



# THIKA CLOTH MILLS

BRINGING TEXTILES HOME





## Who is Thika Cloth Mills?

- Thika Cloth Mills one of Kenya's leading textile manufacturer Founded in 1959.
- TCM is renowned for the quality and consistency of its fabrics and textiles.
- It has a state of the art machinery, skilled workforce and deliveries scheduled per customer requirements.





# Our Production Flow

## Seed Cotton – Farmers



Cotton farming

## Ginnery Cotton - Ginnery



Transport to  
Ginneries

## Cotton Bales - factory



Bales



Bales



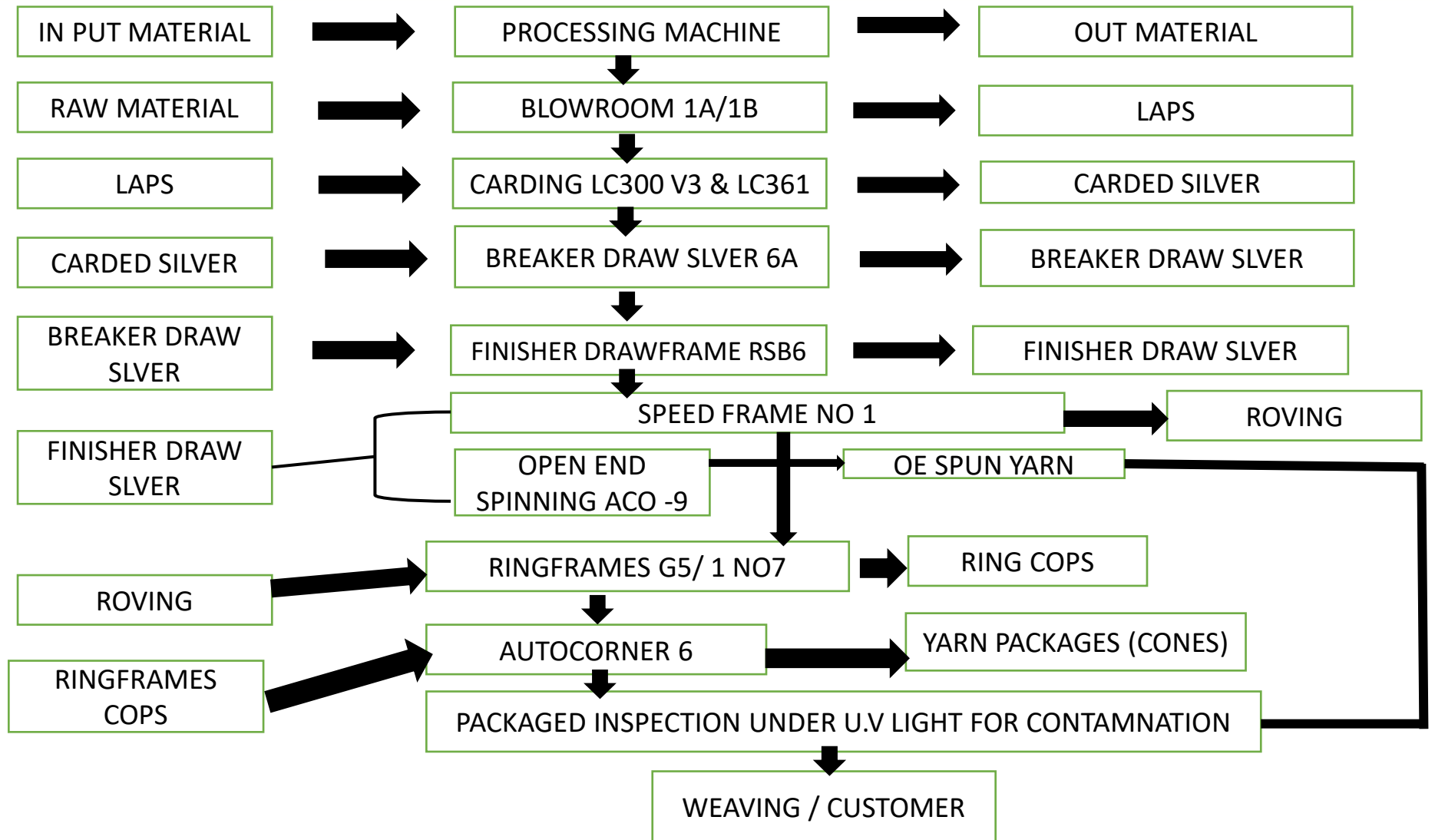


# Spinning Manufacturing

Yarn/ Spinning manufacturing is the textile process of turning raw materials into yarn. To create the final yarn of thread, raw materials are sorted, cleaned, and then mixed together. This is used in weaving process. Yarn can also be called a thread when it is used for sewing purposes.



# Spinning Flowchart





# Spinning



Modern carding



RSB Draw Frame



Speed Frame



Open end ACO-9



# Spinning Manufacturing



Ring Frame



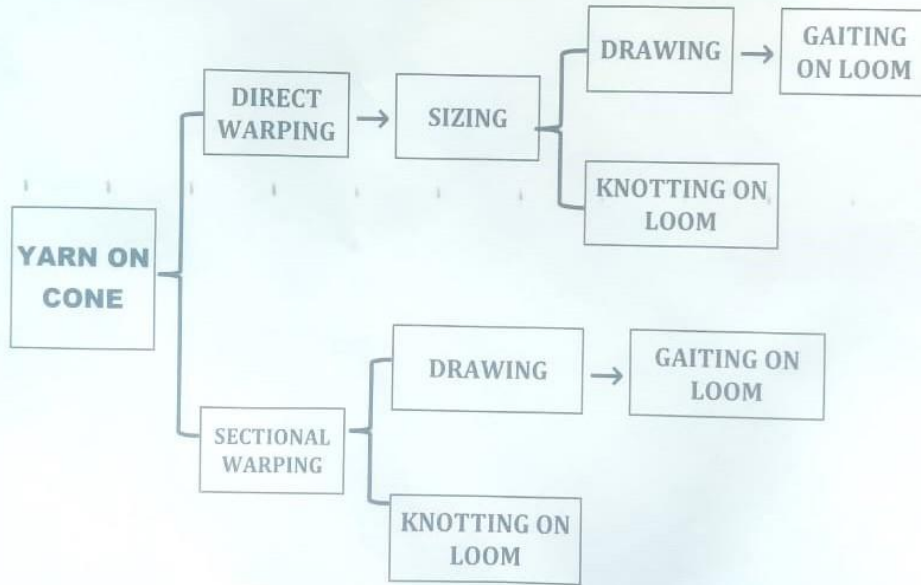
Autoconer 6 machine





# Weaving

## WEAVING PROCESS FLOW CHART



Weaving process is the next step in textile production. The weaving process consists of several phases, such as: winding, warping, sizing, drawing-in, weaving and finally the control on the grey fabric.





# Weaving



Direct Warper



Sizing Machine



Sectional Warper



Weaving Sulzer & Rapier Machines

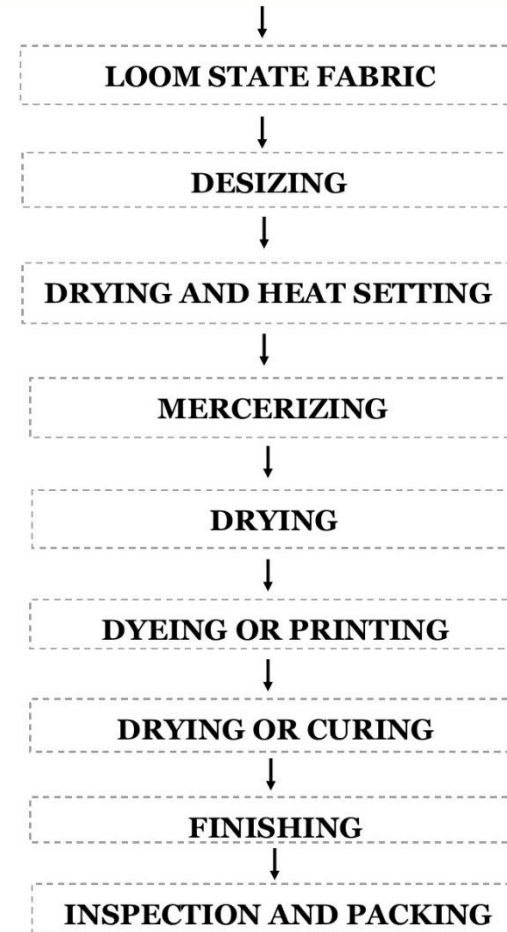


# Processing

This is a process used to dye and finish textiles. The dyeing process involves the application of colorants to fabric in order for it to become colored.

The Fabrics are inspected to the **'American 4 points standard'** By this process, they can minimize fabric related quality troubles before it is moved to production.

## FABRIC PROCESS FLOW CHART IN PROCESS HOUSE





# Dye and Print



Dyeing and printing are processes employed in the conversion of raw textile fibres into finished goods that add much to the appearance of textile fabrics.



# Processing



Processing - JT 10



Mercerizer



Jets - Fabric Dyeing



Stenter- Dry & finishing machine





# Processing

## Digital Printing Machine

- The **reliability** of a Digital Printer allows for guarantee production capacity and image quality.
- Offers the option of millions of colors to choose from, and the possibility of unique design, every time. It is able to meet short-runs, faster turnaround, and higher standards of quality.



# Sustainable Responsible Manufacturing

## Eco friendly ETP



Effluent Treatment Plants (ETPs) play a vital role in minimizing the environmental impact of industrial wastewater by treating and purifying it before discharge. We focus on the concept of eco-friendly ETP, which goes beyond conventional treatment methods to enhance sustainability and reduce the ecological footprint of industrial operations.

## Clean Energy

We use solar energy to fight climate change by using less fossil fuel, reducing pollution and greenhouse gas emissions.





# Sustainable Responsible Manufacturing



A biomass steam boiler is a crucial component in the realm of sustainable energy production. It harnesses the power of biomass, such as wood pellets, agricultural residues, to generate high-pressure steam. This steam can be utilized for various industrial applications, including electricity generation, heating, and process heating.



# Sustainable Responsible Manufacturing



Thermic fluid heater



Bio mass Steam boiler







# Backward integration of the supply chain





At Thika cloth Mills Ltd we support 22,000 small scale farmers. Cotton from Uganda and Tanzania is also available to compliment the cotton grown in Kenya





# Lamu – February 2023

We plan on a strategic investment initiative aimed at establishing a state-of-the-art ginnery. This visionary project is set to empower and uplift the lives of 3,000 dedicated farmers located across the regions of Lamu, Magarini, Taita Taveta, Hola Bura, and Kwale. Our primary objective is to catalyze a transformation in agricultural production, propelling it from the current output of 2,000,000 kilograms to an impressive 10,000,000 kilograms within the next three years. These farmers are organized into cooperatives, enhancing collaboration and sustainable growth







- In March 2023, We visited Busia, Bungoma, Homabay Kisumu and Siaya.
- Present in these meeting were the PS of Cooperatives, PS of Industries, PS of Agriculture, Cooperative Bank, Rivatex East Africa and Thika Cloth Mills. We have distributed a large amount of cotton seeds.
- The plan is to get cotton back into these regions. Again we work with cooperatives, and we want to empower the local community. There is a small ginnery in Siaya which we will rebuild, in Malakisi and in Luanda. All are owned and managed by the cooperatives.
- By aiding the farmers, we aim to revive a sustainable cotton industry within Kenya.





# Our Products

## What kinds of Textile do we make?

- Government Agencies eg KDF ,NYS ,Police ....



*(This material was produced by Thika Cloth Mills Limited)*





# Our Products

## What kinds of Textile do we make?

- Security Companies eg KK Guards



*(This material was produced by Thika Cloth Mills Limited)*





# Our Products

## What kinds of Textile do we make?

- Khangas

*For churches*





# Our Products

## What kinds of Textile do we make?

- School Uniforms





# Our Products

## What kinds of Textile do we make?

Textile infused with Moszki-Repellant against mosquitos, bacteria, fungi, moulds....

- Hospitals, e.g: Gertudes, Nairobi, Aga khan and MP Shah (with Malaria repellent finish)



*(This material was produced by Thika Cloth Mills Limited)*





# Our Products

## What kinds of Textile do we make?

- Corporates



- Canvas Material for bag and shoe manufacturing.



Rubber shoe



Vivienne Westwood

- Material for Exports



Vivienne Westwood



Zuri Kenya



Zuri Kenya





# Sustainable Responsible Manufacturing

## Why Us?



- Responsible Social Compliant Manufacturing.(WRAP CERTIFIED)
- Low carbon emissions through
  - **Solar Energy**
  - **Hydro Power**
  - **Bio Fuels (Biomass Boiler)**
- Environment Friendly by treating waste water using the Effluent Treatment Plant
- Consistency
- We help pioneer ***the Buy Kenya Build Kenya*** Initiative





