



**Centre of Excellence for Medical Textiles,
Promoted by The Office of the Textile Commissioner,
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The South India Textile Research Association,
13/37, PB. 3205, Coimbatore Aerodrome Post,
Coimbatore, Tamil Nadu, 641014

Ph: 0422-2574367-9, 0422-421533; Email: coemed@sitra.org.in



Project Profile for Shoe covers

Introduction:

Shoe covers are referred to disposable, loose-fitting baggies that fit over regular shoes and boots. Protective coverings for shoes worn by surgical personnel working in a sterile environment in order to minimize contamination. Shoe covers can be used to protect the wearer's shoes, as is the case with medical professionals who often wear disposable shoe covers to protect their shoes from blood, while also preventing footwear germs and debris from entering a sterile environment. Other times, disposable shoe covers are worn to protect flooring from debris that might be on the wearer's original shoes. For example, realtors and home service workers often wear shoe covers when entering a client's home, so as to protect floor from dirt and mud. More durable footwear protection can be found in the form of overshoes.

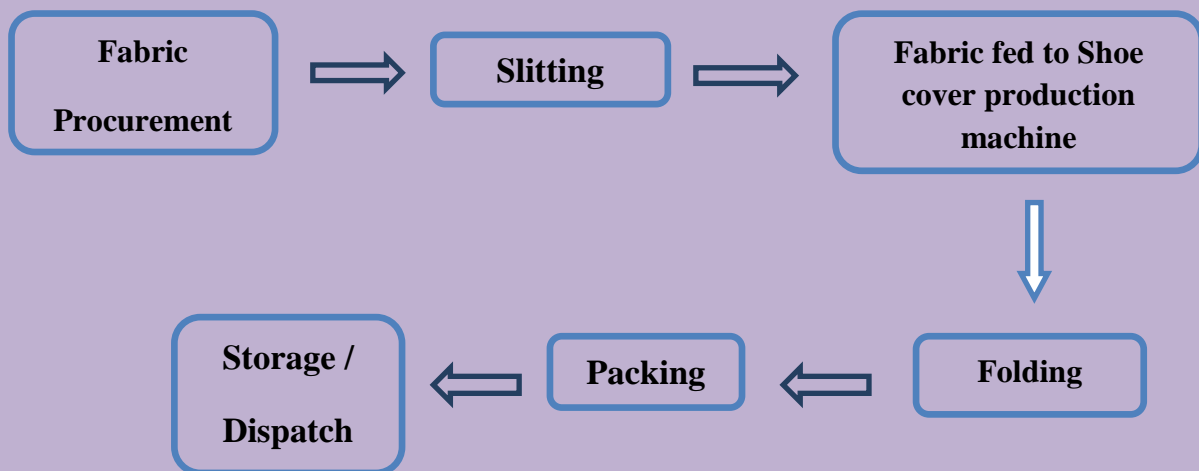


Production process:

It is an automatic shoe cover sealing machine that can automatic weld PP, PE, CPE and elastic for completing a shoe cover once. The flow of work is proceeded with conversion of PP nonwoven and elastic into an automatic welding output finished product which is shoe cover.



Flow chart:



Machinery and equipment required:

1. Slitting machine: 1 No
2. Shoe cover production machine: 1 No
3. Compressor: 1 No

Raw materials and consumables required:

Spun bond nonwoven fabric, Chemicals.

Utilities required:

Power: 7kW

Manpower required: 6Nos

Land area required: 5000 square feet

Building Area Required: 1000 Square feet

Investment required:

Including Plant & Machinery, Pre-Operative Cost, = 70 lakhs
Contingencies

Production capacity per annum or 300 days: 310 lakh pieces

Breakeven point in % = 58