



SANITARY NAPKIN MAKING MACHINE

INNOVATOR

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PROBLEM ADDRESSED

Sanitary napkin, a universally needed product, has very low penetration in India and other developing countries, partly due to its high price and partly due to the tradition of using cheaper but unhygienic old cloth piece. Usually different varieties of sanitary napkins are found available in the market but they are very expensive and are either not available or not affordable for rural & under-privileged women and girls. The innovator has developed a set of small machines which can produce Sanitary Napkin at economical price.



PRODUCT

Sanitary Napkin making machine is a set of 5 machines which is used to manufacture low cost sanitary napkins. All the 5 machine complete one process for another in order to produce high quality sanitary napkin. 5 units are : Pulverizer, Napkin press Machine, Napkin sealing Machine, Gumming Set, UV Treated Sterilizer.

TECHNICAL DETAILS

- Sanitary Napkin making machine consist of 5 units and technical specifications of each unit are as follows:
- Pulverizer: It is used for Pulverizing Pulp or Cotton. It can pulverize 100 kg per hour operated on a 0.5 hp motor. Total manpower for this machine is only 1 single person.
- Napkin Press Machine: The napkin pressing machines are available with three powders coated or steel plated dyes that ensure easy operation. These Napkin Pressing machines are easy to fix on the floor or on the table and sufficiently produce minimum 2,500 napkins in 8 hours or 75,000 napkins in 30 days.
- Napkin Sealing Machine: This machine is used to seal the pulp in a fabric. It takes 20 seconds to seal one napkin.
- Gumming Set: This Gumming Set is a type manual screen printing this designing of screen is only used for Sanitary Napkin back side Gumming. Total manpower for this machine is only 2 persons. This gumming manual machine production capacity is 500 Napkins in 40 minutes
- UV Treated Sterilizer: This UV Treated Sterilizer is of 18 gauge virgin steel with plastic coated in white color with red LED indicator on the top. There are three UV treated ultra-tubes of 12 inches with 12/24 inches mirror inside of the sterilizer so that the reflection the UV tube should reflect in the full sterilizer inner side. The size of the sterilizer length 35 inches & breadth 24 inches & depth is 25 inches.

SALIENT FEATURES

- Easy to operate and maintain.
- It creates potential perennial revenue stream for small scale entrepreneurs, and self-help groups by deploying a self-sustaining micro-enterprise model.

