



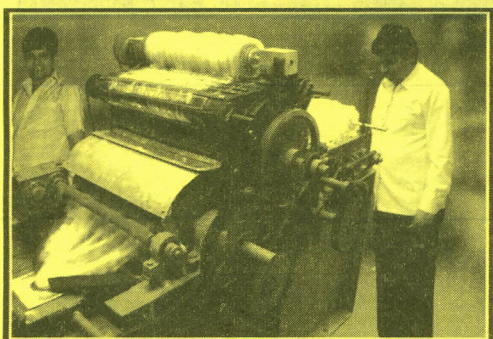
CIRCOT Mini-Card for Sliver Production at Village Level



Introduction

Presently, the roving sliver is outsourced from mills and processing plants to make yarn on Amber and other charkhas at village level. Independency of yarn making at cotton production site i.e. fibre to fabric can be achieved. Additional income avenue for the farmers by production of sliver, web and yarn. The clean web can be used for surgical cotton and equivalent use.

CIRCOT Mini-Card for Sliver Production



In this machine, individualisation and cleaning of fibres are achieved by feeding cotton uniformly to the cylinder and combing it with wire points. Further, less neppy and uniform web is converted into sliver by calendar rollers and trumpet. This machine is suitable for making sliver as well as to collect the clean web of cotton for further use.

Specifications of the machine

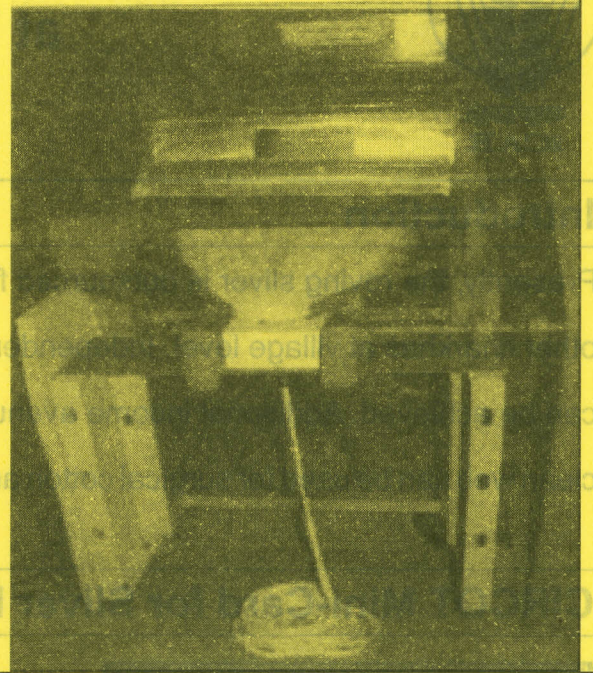
Overall machine size	: 1.25 x 2.50 x 1.5 m
Cylinder length	: 610 mm
Power	: 1.12 kW
Weight	: 1500 kg

Construction parts: MS angle and sheet, High carbon steel, carding and clothing wire, rubber belt, different types of gears, chain and sprocket, V belt and pulley, wire cleaning roller. Safety guards are provided on both sides of machine. Emergency switch is also provided to ensure safety. One person (semi - skilled) is required to run this machine.



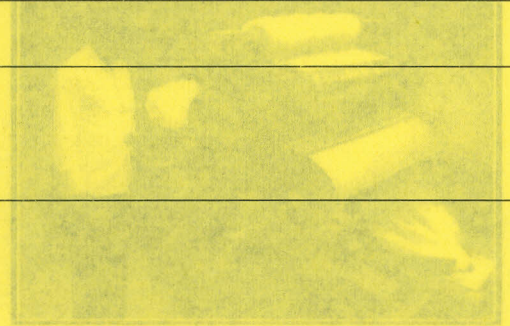
Salient Technical Features

- Easy to operate and maintain at farmers level
- It extracts trash and impurities from cotton fibres and converts into sliver.
- This machine is suitable for processing short and medium fibres



Cost Economics

Cost of the machine	: Rs. 7,00,000/-
Capacity	: 2 kg sliver / h



CIRCOT has filed patent for this technology and is ready for commercialization. This technology will help in rural employment and entrepreneurship development.



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