COTTON STRIPPER

Indian patent granted: No.198755
US patent granted: No.US6543091B2

INNOVATOR

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PROBLEM ADDRESSED

In the dry cotton growing tracts of Gujarat and few other parts of the country, the indigenous cotton varieties (like Kalyan – V 797, G-13 etc.) is grown, where the lint is tightly attached to the inner side of the shell. Before ginning can take place, this lint has to be stripped from the shell. This is a laborious process, manually carried out by mostly women and children either at their home or at ginning mills.

PRODUCT

Cotton Stripper machine removes lint from the cotton shell mechanically, faster and in an efficient manner and prepare it ready for ginning. The machine consist of feeding units, electric motor, cylinder brush rollers, wire mesh rollers, suction unit and cleaning units. It can also be wheel-mounted for easy mobility.

TECHNICAL DETAILS

S. No.	Particulars	Model 1 : Jumbo	Model 2 : Turbo
1	Dimensions (L x W x H)	5.2 m X 1.67 m X 3.07 m	5.2 m X 1.97 m X 3.07 m
2	Weight	4000 Kg	5100 Kg
3	Motors	Three motors 7.5 hp, 5 hp and 2 hp	Three motors 10 hp, 7.5 hp and 3 hp
4	Capacity (input)	1600 - 2000 kg/hr	2000 - 2500 kg/hr
5	Output	70% of input	70% of input
6	Cotton Varieties used in machine	Kalyan, V-797, Gujarat -21, 5313, Vagad, Ghummud	

SALIENT FEATURES

- Extremely efficient & effective machine to separate seed cotton from the shells.
- Saves cost involved in manual labor and reduces drudgery.
- It useful for removing pre-matured cotton balls, stones & various other impurities from raw cotton and can be used as Cotton pre cleaner in grinning mills.
- Improves the quality of cotton and thereby improves Ginning performance.
- The process of Staple cutting has been completely eliminated.

AWARDS AND RECOGNITION

Innovator has been awarded by National Innovation Foundation in 2002. He has also received Best Technology Award for the year 2003 by National Research Development Corporation, Govt. of India, 2004.