

AGRICULTURAL ENGINEERING

LAC SCRAPER CUM GRADER

Lac scrapper cum grader is a machine developed at the Central Institute of Post Harvest Engineering and Technology (CIPHET), Ludhiana for scrapping and grading the stick lac obtained from the trees, to minimize the human drudgery involved in the traditional process.

TECHNICAL SPECIFICATIONS

The machine comes in two variants of 20 kg/hour and 50 kg/hour capacities and is easily scalable as per the requirements of the user. The scraper cum grader has been tested successfully and extensively in the lac growing areas by the Indian Lac Research Institute, Ranchi. It comprises of:

- A frame
- Feed hopper
- Scrapping rollers
- Rotor
- Crusher and an oscillating grader (to separate the lac into three distinct grades, which can be used directly by the lac processing industry to manufacture different products).

The machine is power operated with a maximum capacity of 50 kg/hour of stick lac processing, which is fifty times faster than the traditional manual process of scrapping. Under field conditions, it has been found suitable to scrap and grade the stick lac of all the major and minor host plants into three grades, up to 20 mesh, 20–30 mesh and >30 mesh size.

PRICE

A 20 kg/hour capacity machine costs nearly Rs 30,000, while the cost of 50 kg/hour capacity is Rs 50,000.



Lac scrapper cum grader

For more details contact:

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AVAILABILITY

The machine is available from the Central Institute of Post Harvest Engineering and Technology, Ludhiana as per the requirements of the user.