
Rice Flaking Machine

Salient features

- Design and development of machine for small scale production of rice flakes
- Perform de-husking of paddy and flaking of brown rice
- Recovery of brown rice flakes from MTU-1010 paddy variety was found to be 68.12%, 3-5% higher than traditional edge runner
- Average flaking efficiency of the machine was found to be 88%.
- The percentage broken of rice flakes was found to be 8%.

Advantages

- ✓ Eliminate human drudgery and increase the recovery of rice flakes
- ✓ Suitable for small scale cottage industries/unorganized sector

Specifications

The overall dimension of the machine is 125x50x50 mm.

Machine consists of three sets of rollers.

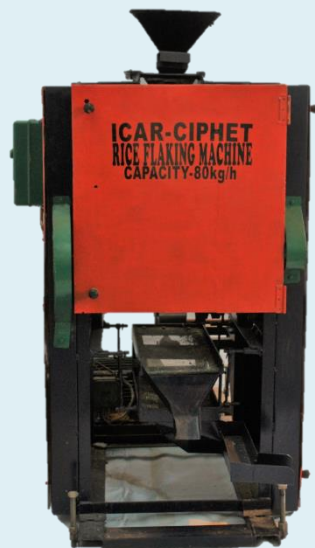
The height of hopper is 150 mm with angle of hopper 55.28°.

The feed hopper outlet opening is 40 mm x 30 mm with material thickness of 1.5 mm.

5 hp AC motor is fitted in the flaking machine

Stainless steel square sieve of 4x4 mm to separate the flaked rice from the un-flaked paddy.

Heavy angles (45x45x5 mm) for proper balancing and reduction of machine vibration during operation



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