

Custard apple seed separator (SAFAL)

Custard Apple is a very delicious fruit and has good nutritional values.

India produces sizable amount of the fruits in a year. The fruit loose its firmness as it starts ripening and hence it is difficult for long distance transportation. Due to its short shelf life, it has to be processed into pulp to be used year around.

Pulp extraction from the custard apple is being done manually. Hence it has to be processed in proper hygiene condition.

The process mainly involves two steps i.e. removing the pulp from the fruits consisting of pallets with seeds and the second step is to remove the seed from the pallets without disturbing the shape of the pallet. After removing the seeds, an even texture of pulp is obtained. This can be further processed and canned. Custard Apple Pulp is used in various preparations like ice-creams, yoghurts, Sitaphal rabadi, etc.

M/s. Ensemble Systems has designed and developed an automatic machine to extract the seeds from the pallet. This machine is made of food grade material. Its design has been approved by National Institute of Design (Ahmedabad). The company has filed an application for getting a patent for this machine in 2015 and its allotment is in final stage. It works on

About the Machine

- It works on a single phase supply and the load is only 400 watts.
- Capacity of the machine is 60 – 70 kg / hour (RAW MATERIAL)
- Output material inspection is been done on the conveyor of the machine so time is been saved for re-inspection of the material.
- It has got automatic feeder so no additional person is required for input. Once the material is dropped in the hopper, the machine being feed automatically.
- Ultraviolet bacterial growth protection systems also could be given as an additional attachment by which bacterial growth could be controlled.
- The technology and the machine is patented so any copy or duplication would be avoided and our customer would get the original technology and well-designed machine.



