

Multipurpose Processing Machine

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Innovation Description

Profile

Dharamveer Kamboj is a resident of Yamunanagar, Haryana.

Purpose

Multi-Purpose Processing machine is a portable machine, which works on a single-phase motor and is useful in the processing of various fruits, herbs, and seeds. It also works like a big pressure cooker with temperature control and auto cut-off facility. It also offers a condensation mechanism, which helps in the extraction of essence and extracts from flowers and medicinal plants.

Technical Details

The machine is a cylindrical container made of food-grade stainless steel having an opening (with lid) at the top to feed the herbs and an outlet at the bottom to collect the residue machine has an electric motor to drive the central shaft the power of the motor varies depending on the capacity of the machine. Gauges for monitoring the temperature and pressure are provided so that they can be controlled for the processing of certain products. The machine is also equipped with an oil jacket outside the main chamber to prevent direct heating of the herbs. Its portability makes it most suitable for farm processing, thereby producing farm-fresh products and reducing problems associated with transportation and stocking. The machine is unique because it has the capacity to process a wide variety of products without breaking the seeds of the fruit or vegetable.



Benefit

This machine can be used for processing Aloe vera (making juice, hair gel, face wash, shampoo, hand wash, extract, powder), mango, (chutney, jam), amla (juice, powder, extract, hair oil, candy, sweets laddoo), tulsi, ashwagandha, avatar, herbs (juice, extracts), flowers like rose, chameli, lavender etc. (extract and essence).