



## MULTI PURPOSE FOOD PROCESSING MACHINE(MPP)

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**INNOVATOR**

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### PROBLEM ADDRESSED

Mixing, eating, boiling and extraction are various processes involved in making juices, pulp, essential oils, essence etc from edible and non - edible fruits having medicinal properties. This is also a first step of process for Pharma/ Food Processing Industry. Different machines are available for different process (pulverizing, mixing, steaming, pressure-cooking and juice/oil/gel-extracting), however there was no single machine available which alone can perform all of the above functions.



## PRODUCT

Innovation is a portable machine capable to process various fruits, vegetables, herbs and seeds. It can also work as big pressure cooker with temperature control and auto cut-off facility. It also has condensation mechanism that helps in extraction of essence from flowers and medicinal plants.

## TECHNICAL DETAILS

- Power: Single Phase
- Electricity consumption: 1.5 units/ hour
- Weight of machine: 125 kg
- Motor speed: 1440 rpm
- Rotor/Centrifuge speed: 360 rpm
- Juice extraction capacity: Model 1- 50 Kg /hr and Model 2- 150 kg of fruit juice/hour
- Two electric heaters; Automatic Temperature Cut-off, Starter panel.

## SALIENT FEATURES

- Boiling is facilitated with inbuilt temperature regulation.
- In a true sense multipurpose: can process herbs, flowers, vegetables and fruits and produce many products as mentioned below.
- Aloe Vera: Herbal Juice, Hair Gel, Face Wash, Shampoo, Hand Wash, Extract, Powder
- Mango: Juice, Chutney, Jam.
- Amla: Juice, Powder, Extract, Hair Oil, Candy, Sweets, Laddoo.
- Tulsi, Aswagandha, Satavar, Herbs : Juice, extracts.
- Flowers like rose, chameli, lavender etc: Extract & essence.
- Machine can extract pulp, gel, essential oils, essence and juice Machine.
- can also be used to prepare sauce/puree/ketchup/soup/paste/gel.
- It is very good option for income and employment generating opportunities for SHG, rural and tribal people by processing the fruits and selling value added products.
- It helps in improving the nutrition and in reducing the wastage of fruits, herbs and other perishable items.



## AWARDS AND RECOGNITION

Awarded in the 5th National Award Biennial Award Function of NIF (2009).

