

## **ICAR-Central Institute of Agricultural Engineering**

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# **Medicinal Plant Processing Equipment & Tools**





#### Aloe Vera Gel Extractor

- Utility: for extracting gel from the aloevera leaf
- Continuous feed
- Capacity 200 225 kg/h
- (900 1000 leaves/h): motorized
- •100 kg/h (400 450 leaves/h): manual.



#### Garcinia cambogia Processing Machinery

- Utility: Set of machines for pulping *Garcinia cambogia* fruits & extraction of juice
- Fruits are finely ground in pulping machine
- Juice extraction is hygienic
- 30 Liters of juice can be converted into 4-5 liters of vinegar in 4 h



#### Safed musli and Shatavari Peeling Machine

- Utility: for removal of peels from safed musli and shatavari crops
- Continuous operation with 3 phase 3 hp motor
- Capacity: 18-20 kg/h
- Efficiency 95% for Safed musli & 55% for Shatavari



#### Pedal-operated Safed musli and Shatavari Debunching Tool

- Utility: for debunching bunch crops like safed musli and shatavari
- Ergonomically designed & fabricated with 304 SS material
- Adaptability to different products of similar nature
- Capacity: 10-12 kg/h



#### Hand-operated Safed musli and Shatavari Debunching Tool

- Utility: for debunching bunch crops like safed musli and shatavari
- Eco and Women friendly
- Simple and easily available spare parts
- Adaptability to different products



#### Moringa Leaf Stripper

- Utility: For separating moringa leaflets from bunches of moringa
- Safe and easy to operate
- Power source: 1.5 kW single phase electric motor
- Output capacity: 300 kg/h
- Efficiency: 98%



#### Senna Leaf Stripper

- Utility: separating Senna leaves from the stem
- Safe and easy to operate
- Protects the hands of operator



#### Aonla Deseeding-segmentation Unit

- Safe and easy to operate
- Continuous & Hygienic operation
- Capacity: 12-15 kg / h
- Cost saving by 70-80% as compared to conventional method.
- Saving in time:85 %as compared to conventional method.