

## Engine Operated Arecanut Stripper

### Utility

A hold-on type arecanut stripper consisting of a feeding chute, a peg tooth cylinder, a stripping mechanism and an oscillating sieve. The arecanuts are separated from bunches due to the impact force of pegs of rotating cylinder and the stripped arecanuts fall on the oscillating sieve. The oscillating motion of the sieve separates arecanut from the chaff and other impurities. The safety features here include a hand warning device, a shield provided at the top of the feeding chute giving protection to the operator from arecanuts flying towards him from the stripping cylinder, a stable platform for the user. The unit is suitable for stripping both green and ripen arecanut bunches.



Specifications & Performance results		
Power Source, kW engine	:	2.2
Weight, kg	:	320
Stripping drum width, mm	:	820
Peripheral velocity of stripping drum, m/s	:	5.8
Labour requirement, person	:	05
Capacity, kg/h (With five persons)	:	700
Stripping efficiency, %	:	99.5
Cost, Rs	:	25,000/- (without prime mover)
Cost of operation, Rs/kg of arecanut	:	0.15/-

### Benefits over conventional/traditional practices

- Economic benefit: Rs. 20,000 /unit/ year.
- Eliminates the high work stress and back pain disorders caused due to lifting and forceful striking the arecanut bunch.

**Design:** TNAU, Coimbatore (AICRP on FIM)

**Commercialization Status:** Ready for commercialization

### Contact:

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