

Tamarind Fruit Dehuller and Deseeder

Salient features

- Machines for the mechanical dehulling and deseeding of the dried tamarind fruits.
- Machines are versatile, and have the adjustment for dehulling and deseeding various sizes of the tamarind fruits.
- Adjustable clearance between concave and cylinder pegs of the dehulling machine for accommodating various sizes of the tamarind fruits.
- Adjustable gap between the rollers of the deseeding machine for accommodating various sizes of the tamarind fruits.
- Separation of the dehulled fruits by the dehulling machine into whole fruit, hull and broken categories.
- Separation of the deseeded fruits by the deseeding machine into pulp strip, seeds and broken pieces.

Advantages

- ✓ Mechanical dehulling and deseeding reduce manual drudgery and eliminate unhygienic operations.
- ✓ Reduction in labour requirement.
- ✓ Saving in time.



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Year	2012-13
Cost	<p>Tamarind dehulling machine: ₹ 50000/-</p> <p>Tamarind deseeding machine: ₹ 100000/-</p>
More information	<p>Status of commercialization / Patent / Publications</p> <p>Technology transfer</p> <p>The Technology has to be transferred through the Directorate of Agricultural Business, TNAU, Coimbatore. Manufacturing Industry has been identified for the supply of manufacture of Tamarind Dehulling and Deseeding Machine to the tamarind processors.</p> <p>Publications</p> <p>Pandian, N.K.S. and Rajkumar, P. 2014. Study on drying kinetics of tamarind (<i>Tamarindus indica</i>, L). Trends in Bioscience, 7(23): 3844-3851.</p> <p>Pandian, N.K.S. and Rajkumar, P. 2014. Development and evaluation of hammer type tamarind (<i>Tamarindus indica</i>, L) deseeder. Research Journal of Agricultural Sciences, 5(6): 1228-1231.</p> <p>Pandian, N.K.S. and Rajkumar, P. 2015. Sun and mechanical drying and study on drying rate kinetics of tamarind (<i>Tamarindus indica</i> L.) at different temperatures. Environment & Ecology, 34(1A): 324-328.</p> <p>Paramasivan, K., Pandian, N.K.S., Rajkumar, P. and Surendrakumar, A. 2015. Development and evaluation of a continuous type tamarind deseeder. Journal of Agricultural Sciences, 5(6): 1221-1228.</p> <p>Karthickumar, P., Pandian, N.K.S., Rajkumar, P., Surendrakumar, A. and Balakrishnan, M. 2015. Development and evaluation of a continuous type tamarind deseeder. Scientific</p>

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Karthickumar, P., Rajkumar, P., Balakrishnan, M., Surendrakumar, A. and Viswanathan, R. 2012. Development and evaluation of tamarind deseeder. *Indian Society of Agricultural Engineers and International symposium on grain storage*, GBPUAT, Pant Nagar, 27-29 Feb.