



# R TECH ENGINEERING

*Tree Climbers Trusted Worldwide*

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## **ARECANUT TREE CLIMBER - ATC**

The tree climber has a seating provision and has two frames. The upper frame is operated by hand while the lower one is operated by leg. The user sits comfortably on the seat and by the up and down movement of upper and lower frame, can climb the tree. A locking system has been provided, which enables the climber to work without fear at any height. One can climb up to 60 ft in 5 minutes (this includes time needed in fixing, climbing up- down and removal of device from tree).

One of the major advantages of this device is that it is useful for trees with different girth. University of Agricultural Sciences, GKVK, Bangalore has tested the device as part of an all India coordinated research project on Post Harvest Technology and found it useful for climbing coconut palms. The team also gave a special mention of its in-built safety feature.





## ATC- TECHNICAL DETAILS

DESCRIPTION		SPECIFICATION	
Overall Dimensions (L x B x H)	Upper Frame	750 x 550 x 70 mm	
	Lower Frame	460 x 470 x 75 mm	
Tree Circumference (Trunk Girth)		Min 9 Inches	Max 24 Inches
Attachment		Safety Harness	
Loading Capacity		< 75 Kg	
Climbing Person		1	
Facilities		To Sit / Stand / 360 degree turn	
Power Requirement		Manually operated by Hands & Foot	
Time Taken (Approx) *depends on the skill	Climbing	5 min for 60 feet tree	
	Fixing	90 seconds	
	Removing	45 seconds	
Tree Climbing Capacity		10-12 tree / hour	
Material of Construction	Main body	Stainless Steel Square Tube (202 Grade)	
	Nuts & Bolts used	Fasteners with Self Locking Nuts	
Net Weight		7.8 Kg (approx)	
Gross Weight		10 Kg (approx)	

*\*Due to a continuous process of development the design is subject to change without notice.*

- ❖ Tested by University of Agricultural Sciences, GKVK, Bangalore
- ❖ Tamil Nadu Agricultural Engineering Department, Coimbatore
- ❖ **Indian Patent Filed No (835 / CHE / 2012)**

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- ❖ Eco Friendly
- ❖ Women can operate easily
- ❖ Easy to learn
- ❖ Easy transportation
- ❖ Safety Harness for climber

- ❖ Climbing Height no limits
- ❖ Fulfills labor shortage
- ❖ Long Life
- ❖ Less maintenance
- ❖ Manually operated

Design & Mfrs by:

**R TECH ENGINEERING**

#3/940 V.V Nagar, Poochiyur,

Narasimhanaicken Palayam,

Coimbatore – 641031, Tamil Nadu. INDIA

Contact: [Shri. Sree Vardhan](#)

Ph: +91 7845574423 / 9944284440