

Groundnut Digger

Innovator: Sanjay Kumar D. Tilwa	Address Akshar Agro Engineering , Survay No. 257, Jain Steel Road, Nr. Rangani Engineers,Shapar (Veraval), Dist. Rajkot, Gujarat	Contact Details (M): 09879011208
--	--	--

Problem addressed: One of the major challenges faced by farmers is the shortage of labor for harvesting operations. The availability of labor is found to be very difficult these days in villages as most of them are running towards cities. If available then the charges paid to them are high and days needed for harvesting takes long time.

Product: The tractor mounted, PTO powered groundnut digger consists of a telescopic propeller shaft, gearbox for suiting the machine to be fitted with standard 540 or 1000 rpm PTO, heavy duty endless chain conveyor made of MS flat of 1165 x 40 x 8 mm - riveted/bolted at 125 mm spacing to two chains with driving sprockets and support wheels in the middle, digging blades arranged in V shape of dimensions 1070 x 125 x 12 mm made of EN8 (high carbon steel). The uprooted groundnuts are conveyed from ground level to a higher level for collection using a conveyor belt. The belt keeps vibrating as a result of which the pods get cleaned of the attached soil.



Technical Specifications	<ul style="list-style-type: none"> • Fuel Consumption - 1 lit/h • Prime mover - 35 HP PTO Tractor • Weight of Device - 374 kg • Digging Efficiency - 98% • Effective Width of cutting - 1250 mm • Effective Depth of cutting - 100 - 120 mm
Key Competitive Advantage:	<ul style="list-style-type: none"> • In comparison to other alternatives, this machine not only mechanizes the digging but also undertakes cleaning and drying as well • Damage to the pods is much lesser than the alternatives available • This one machine can be used in different kinds of soil, on an average the machine can harvest about 3 to 4 Veegha (0.4 Acre) per hour
Time to deliver:	3 weeks after placing confirmed order and full payment
Price:	Rs. 95,000 - (Ex-factory India+packaging). The price does not includes transportation cost, taxes etc.
Achievements:	NIF has felicitated innovator with a National award in Seventh Biennial Award Function of National Innovation Foundation.
IPR Status:	Indian Patent applied(528/MUM/2013)
BD website link:	



**For
Business Enquiries,
please contact:**

Business Development,
National Innovation Foundation - India
Satellite Complex, Nr. Mansi Cross Roads, Satellite
Ahmedabad -380 015, Gujarat, India
Phone: +91-79-2673 2456, 26732095; Fax: +91-79-2673 1903
E mail: bd@nifindia.org, Web: www.nif.org.in