

Garlic Peeling Machine

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Problem addressed:

Garlic has been a part of Indian culture for a long time and enjoys a prominent place in cooking and medicine. Garlic oil is believed to have medicinal qualities and is duly recognized in Indian medicine systems such as Ayurveda and Siddha. Not all parts of the garlic are edible. The garlic has to be broken into cloves and then the skin has to be peeled before consumption. This work is highly labor intensive and consumes a lot of time. This has put a major constraint for the industries to scale up their capacity to process garlic. High labor cost increases the running cost for industries.

Product:

Innovator has developed garlic-peeling machine, which peels garlic while maintaining the original property. It is fully automated machine, made from food grade quality material. It is designed for peeling garlic in bulk quantity, is energy efficient, and saves labour. It economizes operating cost and removes capacity constraints caused by shortage of human labourers in peak seasons for pickle industry. The peeling effectiveness is very high at about 90% while the damage to the peeled garlic is very low at about 2%. This machine is maintenance free and requires only labor during operation to feed the garlic.



Technical Specifications

- Peeling Capacity: 200 kg/hr
- Model 2 Peeling Capacity: 100 Kg/hr
- Manpower requirement: 2 laborers
- Dimensions: 48" x 30" x 54"
- Motor Power Required: 2 HP
- Shaft rotating speed: 620 rpm
- Feeding capacity: 3 kg
- Weight: 250 kg
- Body material: Food grade steel and MS steel
- Neatly and conveniently collected and recovered

Key Competitive Advantage:	<ul style="list-style-type: none"> • High productivity and Capacity – 200 kg/hr • Model 2 Capacity - 100 Kg/hr • Better quality of peeled garlic, peeled garlic are of a uniform nature and are neatly and conveniently collected and recovered • It has wider application in pickle industry for preparing garlic paste and garlic powder • Energy efficient, labor efficient and higher productivity • Easy in operation and maintenance
Time to deliver:	30 day after confirmed order with 75 per cent of the price as advance payment
Price	<p>Model 1: - Rs. 2,85,000/- (ex-factory price + packaging). Model 2: - Rs. 1,85,000/- (ex-factory price + packaging). The price does not include transportation costs, taxes, etc.</p>
Achievements:	NIF gave National award to him in Third Biennial Award Function. Innovator has sold more than 260 number of Garlic Peeling machines have been supplied.
IPR Status:	Patent Granted in Indian (No. 240633)
BD website link:	http://nif.org.in/innovation/garlic_peeling_machine/593
For Business Enquiries, please contact:	<p>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</p>