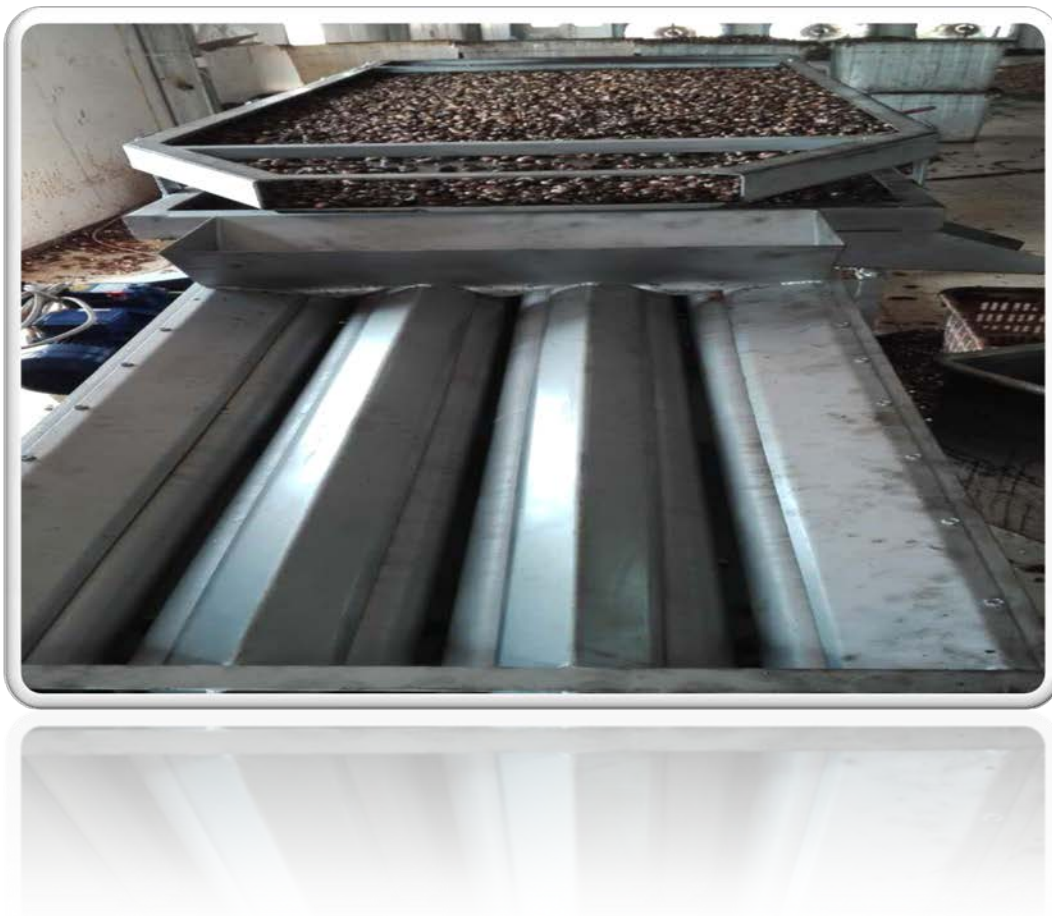


PROVEG ENGINEERING AND FOOD PROCESSING PVT. LTD.

<https://provegengineering.in>



“We believe in judging our success by our ability to meet the expectations of our customers and Principal's and work with the aim of providing global technology with local support.”

About us

We are a professional business entity engaged in designing, engineering, manufacturing, supplying, erecting and commissioning of an array of vegetable and fruit processing pretreatment line, hot air dryers, vacuum freeze dryers, IQF, extruded food machineries, baked food machines, candy, chocolate machines, industrial mixers, nut and grain shelling, hulling , grading, sorting and cutting machines, packaging solution. Our expertise resides in turnkey plants which we can assemble at client's site with ease.

From humble beginnings in year 2006 as Techno Engineers & consultants, now at PROVEG we have emerged as a strong partner to our customers serving them with need based solutions at affordable prices while never compromising on the quality of our equipment

Headquartered in Pune, we have a local presence in Chennai. In addition, we have a well-equipped manufacturing & testing facility on the outskirts of pune to give our customers the opportunity to test and validate their products with our solutions. Our manufacturing facility is also the authorized unit for manufacturing Shakers from Key Technologies.

Our strengths

- End to end solutions for food processing
- Highly skilled after sale service support
- 15 years of experience in automation of various International & Regional snack food products.
- We provide full solution right from procurement up to delivery of equipment to your doorstep, commissioning, handovering and backing it with technical support for life long
- Fully automatic solution for our machines

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1) Grading Machine

General

Because the raw cashew nuts size is different and our shelling machine can processing one size nuts per batch, we need grade the raw nuts before using our automatic shelling machine. Our raw nuts grading machine can classify 4-5 grades depending on the size, just feed the raw nuts by conveyor, and then can automatic grade.



2) Automatic Shelling Machine

General

This shelling machine is our latest design and produce machine, has better performance Shelling section also is one of the most important parts cashew processing industry. Our automatic shelling machine has advantages of small space needed, light weight, easy to move, easy operate, easy repair also high efficiency.

Technical parameter

Capacity	About 80-100kgs/h (raw cashew nuts) or about 270-300 raw nuts per minute.
Shelling ratio	>93%
Ratio of unbroken kernel	>95%

The shelling ratio and unbroken ratio depending on the raw nuts quality and pre-processing skill, for example, if the raw nut is black color and external form is anomalous, then shelling ratio will reduced, also if steaming step and raw nuts drying step doing not enough, also can affect shelling ratio, if not do the raw nuts size grade step or the shelling blade adjust not good, can affect unbroken ratio. The processing need skill workers many times est then can gain the best processing skill to guarantee high shelling and unbroken rate.

Before shelling, the operators need to adjust the shelling blade to suit raw nuts difference then keep one blade gap to processing one grade size nut per batch. This step can make sure high shelling ratio and low broken ratio.



3) Manual Cashew Shelling Machine

General

This manual type shelling machine fully by manual shelling, no need electricity power or air offer. This machine can be used together with our automatic shelling machine, if some nuts cannot be shelled by automatic machine, then can use the manual type, also is there is no electricity power, can use this manual machine.



4) Shell & Kernel Separation Machine

General

This machine's function is to separate shelled kernel and out shell automatically, also can separate unshelled kernel and broken kernel. This separation machine's construction has two parts- vibrating screen and rolling axis. The screen parts can almost 95% screen the shelled kernel and out shell automatically. The rolling axis can 93%-95% to separate broken kernel and unshelled raw nuts.



5) Automatic Peeling Machine

General

This machine has three parts included. This section is also one of the most important steps in cashew processing industry.

- (1) Peeling machine: need automatic feeding and peeling automatically. The effect depending on pre-processing skill-drying kernel processing, the more dried the peeling result better. Also the peeling time set more long, the peeling ratio higher but broken ratio also higher, opposite, the peeling time set shorter, the peeling ratio lower but the unbroken ratio lowlier. So also needs the operator test much time, then get the best record.
- (2) Cashew kernel grading machine: running roller design, to separate the broken peeled kernel, whole kernel and un-peeled kernel after peeling machine by manual, this section needs about 2-3 workers, it is useful to improve peeling effect and save production time.
- (3) 7.5kw air compressor, necessary equipment working with peeling machine, which supply the air pressure to the peeling machine to achieve peeling work.

Technical parameter

Capacity	50kgs/h (shelled kernel)
Peeling ratio	85-90%
Unbroken ratio	90% around



6) Quality Sorting and Color Sorting Section

General

We supply the sorting table, means sort by manual, the clients also can use special sorting machine, also we can supply the color sorting machine if clients need, for most small and medium cashew processing plants, no need this machine.







Looking forward to the future, our company will take "build the international first-class enterprise, and create world famous brand " as its objective, forge ahead and continuously innovate, and provide perfect solution for global food processing

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