



ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835

Quotation for Specialized castor seed hulling machine

Introduction

The castor seed dehulling machine is an automated processing equipment specifically designed for castor seeds. Its core function is to efficiently remove the hard outer shell and separate the pure castor kernels. It is widely used for pre-treatment before castor seed oil extraction.





ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835

Product Technical Information



Item	Details
Product Name	Castor Seed Specialized Dehuller
Dimensions	155*70*135cm
Weight	150 kg
Capacity	400–500 kg per hour
Power Configuration	3 kW main motor + 200 W fan
Application	Specially designed for dehulling castor seeds, separating shells from kernels efficiently for oil pressing pretreatment.

Core structure and functions

The core structure of this equipment can be divided into five key modules, working together to achieve efficient shell cracking and kernel-shell separation:

1. Feeding System

Trapezoidal Hopper: Wide opening for manual/conveyor feeding; buffers material to prevent bridging.

Quantitative Feeder: Precisely controls seed flow rate → ensures uniform entry into shelling chamber → stable shelling performance.

2. Shelling Core

Roller-Type Mechanism: Wear-resistant alloy rollers apply controlled compression & shearing to crack shells while preserving kernel integrity (breakage rate < 5%).



ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835

Fully Enclosed Chamber: Contains dust and splatter → safer, cleaner operation.

Safety Signage: ISO-compliant high-visibility warnings on critical zones.

3. Kernel/Shell Separation

Air Classifier (200W fan): Uses density difference to separate lightweight shells from heavy kernels.

4. Power & Control

3kW Main Motor: Drives shelling rollers via belt/gear transmission.

200W Fan Motor: Dedicated drive for the separation system.

VFD Speed Control: Adjustable roller speed & gap → adapts to seed size/type.

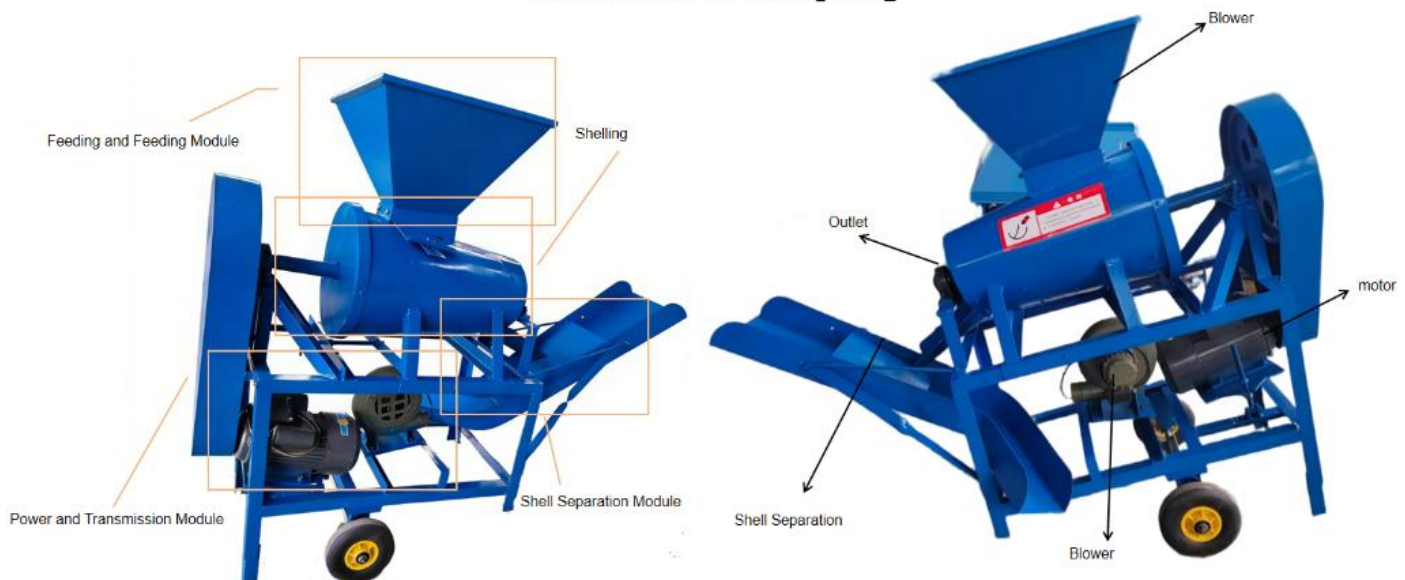
5. Frame & Discharge

Reinforced Steel Frame (150kg total weight): Welded construction with vibration/noise damping.

Braked Universal Casters: Enable flexible workshop repositioning.

Dual Discharge Ports: One for clean kernels, one for shell residue → ready for downstream handling.

Structure Display



How a castor seed shelling machine works:

Feeding: Castor seeds enter from the top hopper and are evenly conveyed to the shelling chamber.

Shelling: The internal crushing structure squeezes and kneads the seeds, breaking the outer shell.

Separation: The mixture enters the air classification and sieving stage. Lighter shells are carried away by the airflow, while heavier kernels fall and are graded.

Recirculation: Unshelled seeds are automatically recirculated and re-enter the shelling process.

Discharge: Pure castor kernels and shell residue are discharged from their respective outlets, completing the processing.



ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835



Performance Characteristics

High Efficiency and High Yield: 400-500 kg/hour, suitable for small and medium-sized processing plants.

Low Loss and High Quality: Low kernel breakage rate and high whole kernel rate, directly improving subsequent oil extraction yield and oil quality.

Flexible Adaptability: Adaptable to different varieties and sizes of castor seeds by adjusting internal gaps.

Convenient Operation: One-button start, automated operation, simple maintenance, and bottom caster wheels for flexible movement.

Safe and Environmentally Friendly: Enclosed structure reduces dust leakage, clear safety warning signs, and complies with industrial production standards.



Finished Product



Wheels



Motor and Fan



Two Outlets

Safety Precautions



ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835

Because castor beans contain the highly toxic ricin, the following precautions should be taken when using a castor shelling machine: Operators should wear protective gloves and masks to avoid contact with dust. The equipment should be cleaned regularly to prevent residual material from becoming moldy. Shelled castor kernels must be stored properly and must not be allowed to enter food channels.



**Direct consumption
is toxic**

1

Shelling



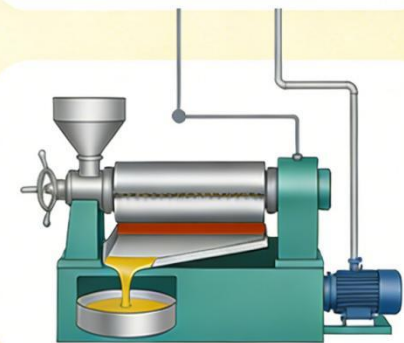
2

Pressing



3

Filtering



**Auxiliary equipment forms a
continuous production system**

Uses of the Finished Product

Castor seeds (castor kernels), after being shelled, are a core raw material in the industrial, pharmaceutical, and agricultural fields, possessing extremely high economic value. Their main uses are as follows:

Industrial Use (Most Important): Extraction of castor oil (core value)

Pharmaceutical and Daily Chemical Uses: Medicinal castor oil

Agricultural and Feed Uses: Oil cake and meal after extraction as organic fertilizer



ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835

			
castor oil	Daily chemical products	Castor cake	Organic fertilizer

How to pack?

Our castor bean hulling machines use custom-made cartons made from carefully selected high-strength solid wood to ensure stable and reliable packaging from the outset. The wood undergoes rigorous drying processes to maintain optimal moisture content, effectively preventing deformation and cracking caused by humidity fluctuations. This guarantees that the cartons maintain their structural integrity throughout long-distance transportation and storage.



Related production lines

The castor seed oil pressing production line uses "shelling → pressing → filtering" as its core process. Relying on three key pieces of equipment—a castor seed shelling machine, a twin-screw oil press, and a vacuum oil filter—and auxiliary equipment, it forms a continuous production system. This maximizes the extraction of oil from castor seeds while ensuring oil purity, making it suitable for small and medium-sized processing plants as well as large-scale production needs. It balances efficiency, quality, and practicality, while also achieving preliminary comprehensive utilization of raw materials. The entire production line is easy to operate and has a compact process, eliminating the need for complex procedures. The core equipment works collaboratively, forming a closed-loop production from raw material processing to finished oil production. This fully leverages the high oil content (45%-60%) of castor seeds, reduces production losses, and increases product added value.



ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835



Castor pod shelling machine



Oil press



Vacuum oil filter

Factory display pictures





ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835

How about the customer feedback?

Feedback

Have a nice weekend. 下午2:25 ✓ 评价对象

Hello,
Thanks you!
Last week we took the shelling machine from the port. Thanks a lot to all your team for good cooperation and support. Success to all!! Have a good weekend.

订单号: 034-2007-151230 最近更新时间: 2017-05-07 23:51

office from today, any questions or needs about our machine, contact me without any hesitation. Best regards for all of your family. 10:48 ✓

Good morning Susan, nice holiday. All the best for you and your family. The Golden Machinery is the best Machine all over the world. Best regards from me. 10:23 ✓

Very impressive! Great Quality and Fast shipment. Parts very quick and in great condition. 4 days in Australia, it is a remarkable record. Happy to meet David. 10:44 ✓

can find the point and open. Any questions or help, contact me. 10:44 ✓

yes, if we need buy any machine we only choose your machine. 10:44 ✓

We are brother between Kazakhstan and China. 下午7:33 ✓

I really appreciate you without doing any business you are so good friend. 下午7:35 ✓

My son and his dad. 10:44 ✓

I really enjoy with machine. 10:44 ✓

13. About us





ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109

Fax: 86 371 55960109

Mobile:+8615838007835

Website:www.rxpelletmilling.com

E-mail: susan@pelletmilling.com

Whatsapp:+86-15838007835



Golden Supplier



SGS



Top 1 Alibaba Supplier

9.How about cooperation client?





ZHENGZHOU LERFORD MACHINERY EQUIPMENT CO.,LTD

Tel:0371 55960109
Mobile:+8615838007835
E-mail: susan@pelletmilling.com

Fax: 86 371 55960109
Website:www.rxpelletmilling.com
Whatsapp:+86-15838007835

Customer visits



aARMENIA



Tanzania



Côte d'Ivoire



Germany



Congo



Cameroon



South Africa



Ethiopia



Thailand



Uzbekistan



India



Ghana

14.Our Certification:

