

## Chetan Agro Industries

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Dear Sir/Madam,

Welcome to Chetan Agro Industries, We introduce our selves as one of the leading manufacturer of Oil Mill machinery, Seed Cleaning Machinery, Food Processing Machinery and Agricultural implements and its related products .

Our Product Line Includes:

- Oil Expeller, Decorticator, Filter Press, Baby Boilers, Neutralizers etc.
- Seed Cleaning Machine, De Stoner, Seed Flat Grader etc.
- Dough Mixer, Vegetable Cutting Machine, Bread Cutting Machine, etc.

We are a long established engineering company dedicated to the supply of oil mill machinery and its related products to the vegetable oil and rendering industries. This is our sole business and we are committed to continually improving and developing our products to give you the best equipment possible.

We can work with you to develop solutions to your problems, and we will support you as your needs change.

We assure you of our best of service at all times.

With regard

For, CHETAN AGRO INDUSTRIES

Chetan P Chauhan



## Mini Oil Expeller 1535



Capacity	40 to 50 KG/ Hour
Typical Oil Yield	70% to 80 %
HP Required	3 HP to 5 HP III Phase
Chamber Size:	(L) 381 mm X (D) 89mm
	(L) 15" X (D) 3.5"
APPROX Weight	325 KG

The Mini Oil Expeller 1535 is designed for pressing most oil seeds. Its small size and tight tolerances means that it is very efficient at rupturing the structures of oil-bearing materials and extracting the oil. The mini Oil Expeller 1535 may also be used to process cooked and prepared oil seeds, where the pre-treatment will enable greater oil yields than is possible with the expeller alone.

Typically the Oil Expeller 1535 can be used in specialist applications, where small scale extraction of high value products is required. It may be used as a single stage oil expeller. The Oil Expeller 1535 is also ideal for small-scale pilot plant or research work. It is simple to set up and use, and its operating characteristics are similar to those of a full sized production presses, enabling good predictions of full scale applications to be made. Oil seeds with large particle sizes will require pre-breaking before feeding to an oil expeller.

### Chamber & WORM Assembly:

The Chamber is split on the centre line with the two halves bolted together. This design allows for quick and easy access to the Expeller internals for cleaning or inspection, without any specialist lifting equipment. The Chamber is normally Filled with standard Cage Bars, these are simpler and easier to maintain.

The Worm Assembly is made up of loose sections, built up on a keyed Shaft. The Parts slide on to the Shaft from the Discharge End, so that those parts that experience the greatest wear and those most likely to need changing for different seed types are the first to be removed from the Shaft. The Compression in each zone can be adjusted, to suit the feed material and the required duty, with simply interchangeable Pressure Worm that are supplied as standard with each Expeller





## Oil Expeller 2204



Capacity	3 Ton / 24 Hour
HP Required	10 HP III Phase
Chamber Size:	(L) 558 mm X (D) 102 mm (L) 22" X (D) 4"

### Construction:

- Gearbox / Body made up of special grade, close grained Cast iron to give sturdy foundation and durability to the oil expeller.
- Fine quality steel gears are fitted to give smooth and sound less function to the oil expeller.
- Parts are of the required quality and grade. All the steel parts assembled in the chamber of expeller are properly tested/case-hardened to give better and durable service.

The Oil Expeller 2204 is designed for pressing most oil seeds. Its Medium size and tight tolerances means that it is very efficient at rupturing the structures of oil-bearing materials and extracting the oil. The Oil Expeller 2204 also be used to process cooked and prepared oil seeds, where the pre-treatment will enable greater oil yields than is possible with the expeller alone.

Oil Expeller 2204 although designed to work on cold feed materials it is perfectly suited to the processing of cooked and prepared feed materials, where the pre-treatment will enable greater oil yields than is possible with the Press alone. It may be used as a single stage oil expeller. The Oil Expeller 2204 is also ideal for small-scale plant. It is simple to set up and use, and its operating characteristics are similar to those of a full sized production presses, enabling good predictions of full scale applications to be made. Oil seeds with large particle sizes will require pre-breaking before feeding to an oil expeller.

### Chamber & WORM Assembly:

The Chamber is split on the centre line with the two halves bolted together. This design allows for quick and easy access to the Expeller internals for cleaning or inspection, without any specialist lifting equipment. The Chamber is normally Filled with standard Cage Bars, these are simpler and easier to maintain.

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## Ghani (Kolhu) Oil Machine



Edible oil is one of the essential commodities being used daily for cooking purposes. The oil is being extracted from oil seeds like groundnut, sesame, mustard, rape seed, sun flower and kardi etc. For the extraction of the oil, oil ghanies or expellers are being used. For higher production in the modern days expellers are being used widely. Traditionally oil ghanies are run by bullocks but in the modern days they are run by power (electricity) Power ghanies can be found in rural and urban areas.

Ghani oil is having good demand in the market. It retains the original flavour of the oil seed and possess good qualities when compared with the expeller extracted edible oil. People like to use ghani oil exclusively for its special qualities in manufacture of pickles and in other items. In rural areas there is good market for ghani oil. Ghani oil units involve less capital investment. Only one skilled worker required for starting the Ghani oil unit. This Ghani unit doesn't require steam boiler or heater like oil expeller.

HP	Crushing Capacity per Batch
3 HP	7-8 Kg / Batch
5 HP	20-25 Kg / Batch

Approximate Batch time is 15-20 Minutes, it depend on type of oil seed and quality of oil seed





### Decorticator



#### Operation:

**Decorticator:** Nuts / Beans fed from the hopper into a rotating Beater from which they are thrown in to the Semi circular special screen, causing them to break, before being discharged. The inbuilt blower divides husk and seed.

**Screen Grader:** The oscillating Screen divides decorticated seed in to Graded Seed, Unprocessed Seed and Husk , Dust etc. The Feeding rate is adjustable.

**Application :** Useful for Ground nut , Castor , Coffee, Jetropha, Shea Seed and any type of seed with outer cover which to be removed.

**Capacity :** 275 - 300 Kg / hour ( Depend upon types and Dryness of Seed)

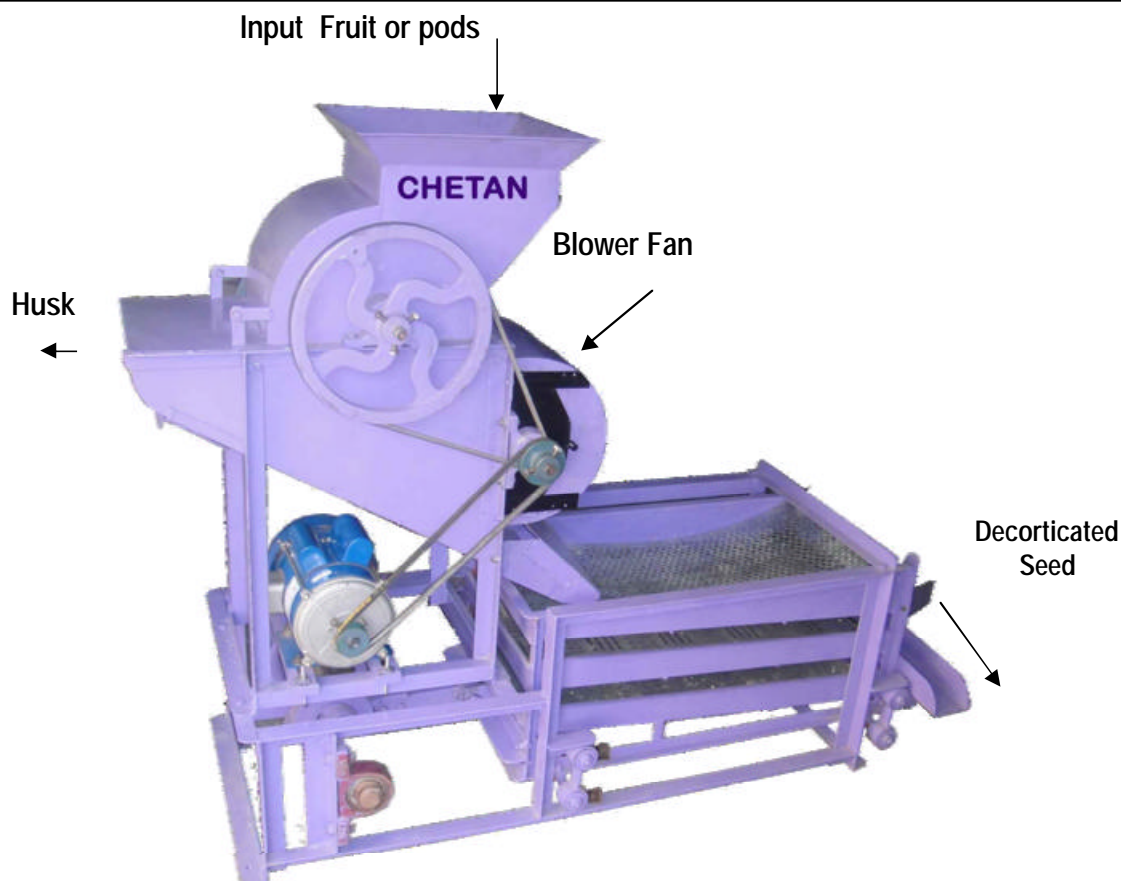
**Drive options:** 2 HP electric motor,

**Dimension:** L X B X H (in Inch) = 60" X 38" X 55"

**Approx Weight:** 250 KG



## Small Decorticator



### Operation:

**Decorticator:** Fruits or pods are fed from the hopper into a rotating Beater from which they are thrown in to the Semi circular special screen, causing them to break, before being discharged. The inbuilt blower divides husk and seed. The Feeding rate is adjustable.

**Construction:** Built for continuous use (unlike most crackers of this design) of heavy-gauge steel plate. Due to simplicity of design, there are no wearing parts and maintenance

### Drive options:

1 HP electric motor or petrol or diesel engine

Useful for : Groundnut , Castor , Jetropha, & any seed with outer cover which to be removed.

**Capacity :** 100 – 125 Kg / hour

### Approx Dimension:

Decorticator with Seed Grader:

Length : 1600 mm X Width : 500 mm X Height: 1100 mm



## Manual Decorticator



### **Application:**

Require for Groundnut (peanut), Jatropha, Castor and other seed with outer shell.

**Decorticator:** Nut are fed from the hopper into a rotating Beater from which they are thrown in to the Semi circular special screen, causing them to break, before being discharged.

The Feeding rate is adjustable.

### **Construction:**

Built for continuous use  
heavy-gauge steel (Mild Steel)  
simplicity of design,  
there are no wearing parts and maintenance

### **Drive options:**

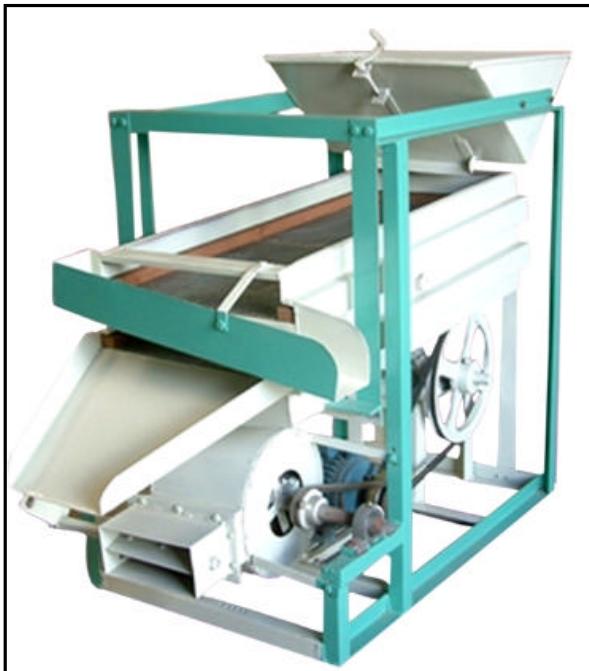
Manual( Hand Driven).  
0.5 HP electric motor.  
petrol or diesel engine.

**Capacity :** 25 – 30 Kg / hour (Manual)



## FLAT GRADER

Cleans all kind of food grains like wheat, bajri (millet), sesame seed, green gram, black gram, rice, cumin, mustard seed, maize etc. Separates foreign particles and dust from all kind of food grains. Separates small and large grains of wheat.



Flat Seed Grader With Blower

### Features:

- Elegant and versatile design.
- Require small space
- Low noise.
- Different types of screening plates supplied with the machine.
- Easy to use feed control using a handle.
- Low weight and sturdy, easy to move.
- Made from high quality metal.



Flat Seed Grader

Model	HP	Screen Size (Inch)	Capacity Kg/ Hour
FG-100	0.2	18" X 12"	100 KG
FG-200	0.5	36" X 18"	200 KG
FG-400 With Blower	1	48" X 24"	400 KG





## Mini Seed Cleaning Machine Technical Specification



### **Small Round Separator attached with de-stoner**

Cleans all kind of food grains like wheat, Millet, sesame seed, green gram, black gram, rice, cumin, mustard seed, maize etc. Separates foreign particles and dust from all kind of food grains. Separates small and large grains of wheat

#### **Specification:**

Round Size Grader (4' X 2') 2 Screen - Size Grading

De stoner (22" X 15") Screen Size - Weight Separate and Remove Stone

**POWER** : 1 or 1.5 HP Single / Three Phase

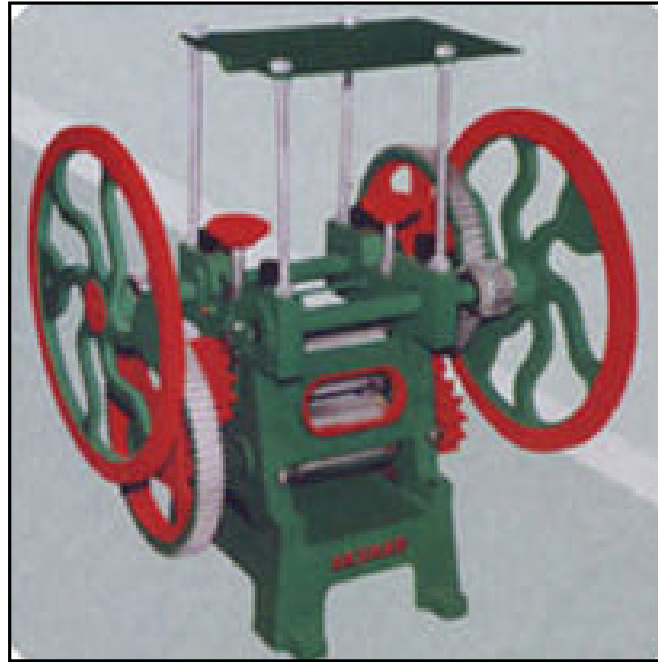
**Approx Outer Dimension** : L 6 Feet X W 3 Feet X H 5 Feet

**CAPACITY** : 300 KGs Per Hour\*

\* Capacity depend on quality of seed



### Sugar Cane Crusher



“Chetan” Sugar cane Crusher highly efficient to produce sugarcane juice from sugar cane. Sugar Cane Crushers are ideal machines to extract Sugar Cane juice with uniform extraction rate. Our sugar cane crusher use for jaggery plant, sugar factory & sugar cane juice vendor. They are sturdy machines in tough working conditions and have proven their quality with low maintenance and reliability. This machine is specifically designed to give uniformity, higher extraction and considerably greater output for commercial applications.

#### Features:

- Round the clock trouble free working.
- Heavy duty bearings on all shafts
- Minimum wears tear of wearable parts.
- Rollers with Gun Metal Bush
- Long lasting service with minimum maintenance.

Model	HP	Roller Size	Weight
CSCC200	3	8.1/2” X 4.1/2”	175 KG
CSCC300	2	7.1/2” X 4”	140 KG
CSCC400	1.5	6.1/2” X 3.1/2”	110 KG