

AJAYA INDUSTRIES

ABOUT US

"Ajaya" (Oil Expeller), a brand name of Ajaya Industries. We are eminent manufacturer and supplier of customized oil expeller presses and their spare parts for Bio-diesel extraction industry. It has been 40 years now that we are serving the industry by providing world class products that are accepted globally. Serving this industry by manufacturing and supplying parts and their spare parts has helped us gain considerable expertise to produce globally accepted products. Our products can be customized to a great limit that suit our clients around the world.

We produce spare parts for our own machines as well as supply these spare parts to the manufacturers of oil expeller presses in domestic markets and abroad. Our oil expeller are exported to our clients abroad, as we offer competitive prices alongwith machines of international standards.

The raw materials that we use in the manufacture of our products are of high quality, as our products such as Oil mill have to meet the international standards of quality. Our most highlighted feature is that we use all types of steel grades as specified by the customer to facilitate them. This is the reason that our press can be easily assembled in any kind of plant.

OUR VISION

With a strong infrastructure and a sound financial base Ajaya industries is poised for a quantum growth and is seeking to play a larger role in the market for our Products. Making difference in our Space through quality & persistance.

OUR MISSION

We strongly believe in the philosophy of consumer satisfaction and our only business motto is to provide the product solutions at the most reasonable prices. Our aim is to work on the principles of quality and commitment.

OUR INFRASTRUCTURE

We are backed by a robust infrastructure which sprawls over a huge area. Our infrastructure is compartmentalized into various segments like designing, planning, production, assembling, installation, and after sales service.

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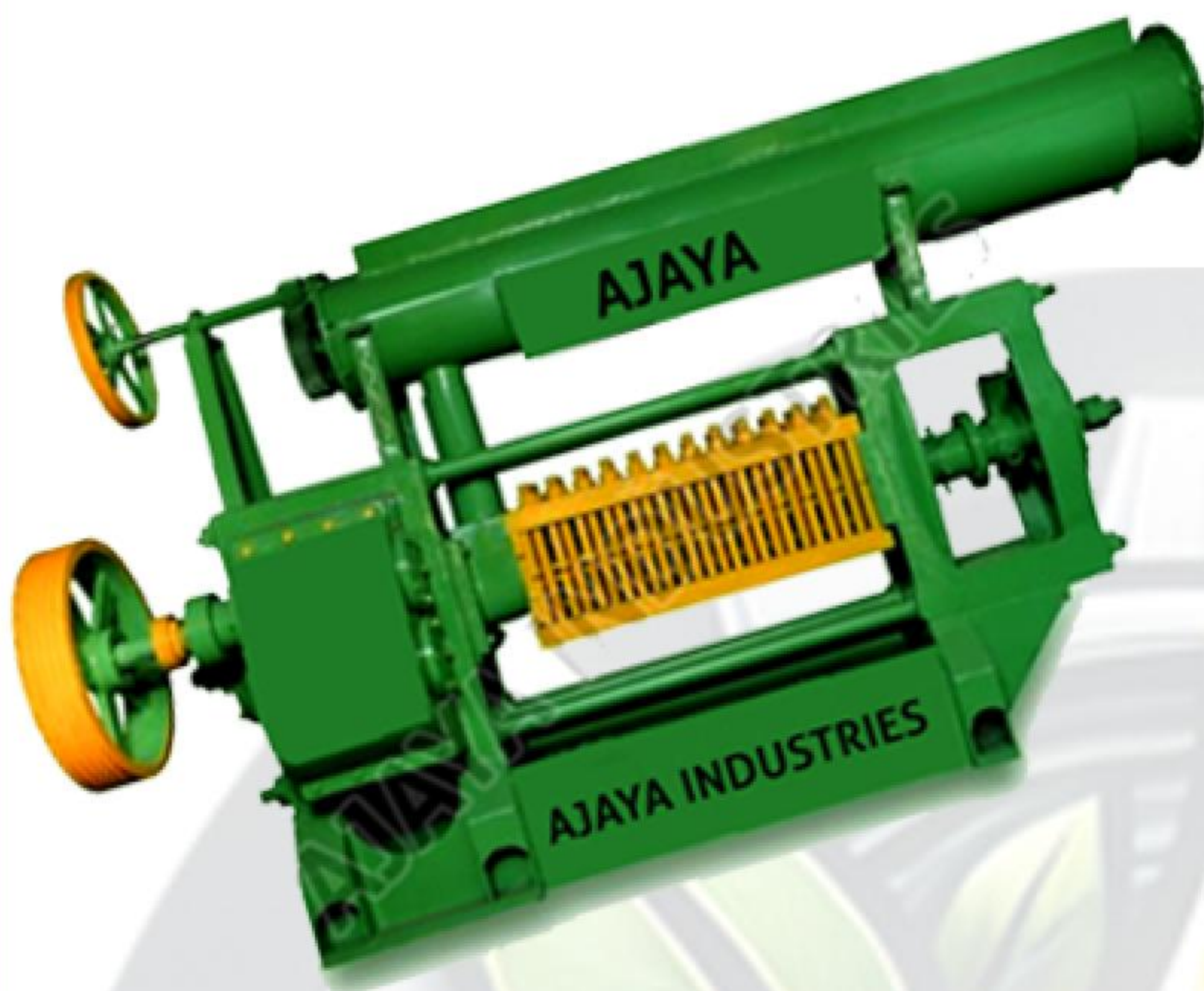
Why Choose Us????

We have been the leading choice of the client for more than three decades because of the quality products we offer. Working under the specification laid by the industry and adopting ethical business policies has drafted the way for us to reach the pinnacle of success.

- Client satisfaction ranks first on our list of priorities.
- We believe in chalking business policies that are beneficial for our clients as well.
- We offer the most comprehensive and apt solutions for varied industrial challenges.
- We are open to molding our resources according to the requirements of our clients so that we deliver industry specific products.



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“Ajaya” Screw Press (Oil Expeller), Ajaya Industries also approved by Quality Marketing Department of Industries, Government of Punjab. The company is proud of its 40 years service to the Oil Mill Industry and its satisfied customers in India and abroad. Equipped with state of art machinery, best technical hands of the market and strict quality control at every stage of manufacturing process, the company is well known for its Heavy Duty, smooth running, low power consuming and easy to operate oil Expellers, Filter Presses, Oil Refining Tanks, Chain Elevators, Screw Conveyors, Copra Cutter, Baby Boilers, Decorticators Copra Driers,

Seed Cleaners, Redller Conveyors, Copra Cookers etc. Our long experience helps us design best machines for exytracting oil from all types of seeds and nuts including Mustard, Cotton seeds, Groundnuts Copra, Jetropha, Sunflower, Castor etc.

Ajaya Screw Presses are machiner and bored in single setting for perfect alignment, fitted with Hob cut gears run in oil bath system, Heavy Duty bearings and long lasting wearable parts that are fast and easy to operate and replace. These machines are available in vairous sizes as per Customer’s requirements.

DETAILS OF CRUSHING OF VARIOUS OIL SEEDS & PERCENTAGE OF OIL IN CAKE FOR 24 HOURS OF WORKING CALCULATED WITH DRY SEEDS ONLY

Types of Expeller	Horse Power Required	Mustard, Copra & Sun Flower Ton/24 Hours	Castor, Jatorpha Ton/24 Hours	Cotton Seed Ton/24 Hours	Ground Nuts Ton/24 Hours	Palm Kernals Ton/24 Hours	Palm Kernals Ton/24 Hours
55x11x9	75 HP	50 Ton	50 Ton	35 Ton	35 Ton	35 Ton	30 Ton
48x8	60HP	35 Ton	40 Ton	30 Ton	30 Ton	30 Ton	25 Ton
48x7	50HP	30 Ton	35 Ton	20 Ton	20 Ton	35 Ton	25 Ton
48x6 1/2	50HP	25 Ton	30 Ton	15 Ton	15 Ton	25 Ton	20 Ton
44x7	40HP	20 Ton	30 Ton	15 Ton	15 Ton	20 Ton	25 Ton
44x6	40HP	15 Ton	20 Ton	10 Ton	10 Ton	15 Ton	15 Ton
33x6 1/2	40HP	15 Ton	15 Ton	12 Ton	12 Ton	12 Ton	12 Ton
33x7	40HP	12 Ton	12 Ton	12 Ton	12 Ton	12 Ton	10 Ton
33x6	30HP	10 Ton	10 Ton	10 Ton	10 Ton	10 Ton	8 Ton
30x5 1/2	25HP	6 Ton	6 Ton	5 Ton	5 Ton	5 Ton	4 Ton
27x5	20HP	4 Ton	4 Ton	3.5 Ton	3.5 Ton	4 Ton	4 Ton
27x4 1/2	15HP	2.5 Ton	3 Ton	2.5 Ton	2.5 Ton	3 Ton	3 Ton
24x4 1/4	10HP	2 Ton	2.5 Ton	2 Ton	2 Ton	2.5 Ton	2.5 Ton





“Ajaya” Filter Presses, are designed and manufactured in Plate and Frame Type in various sizes to meet the growing need in Vanaspati, Sugar Mills, Chemicals and Oil Industry for better filtration, and are Heavy Duty Type.

The Plates are so recessed that when two plates are closed together, a Chamber is formed. Each plate has centre feed hold and Plate and Frame Type filter have side hole, faces are cast with pyramid type to increase the filtering area and also for better filtration. Tailored filter cloth is placed on each plate and fastened back to the plate with cast iron Jam nuts, when the press is closed, the liquid to be filtered is pumped into the press to fill up the chamber by the plates. The Steel Screw rod is made to work with the pressure. The liquid is then forced cut through cloth to the passages in the base of plates and then through the Gun Metal Pet- Cocks provided for the purpose. The chamber plates of the filter press are so designed to have automatic extra force for better filtration. A single piece steel fabricated compact safety valves cum Air vessel and pressure gauge assembly can also be provided for mounting on the INLET lines of the machine at extra cost. Ratchet Gear can also be provided for proper tightening of the plates. Gear GType Plunger Pump: The Ajaya Filter Press is provided with the heavy type plunger pump manufactured in various sizes. These pumps are fitted with V-Belt pulley, heavy gears and heavy ball bearings for smooth running. Gun metal Horizontal Check Valves with sockets of best quality are provided in this plunger pumps.

TECHNICAL DATA OF FILTER PRESSES:

(Note: All Undermentioned Figures Are Approximate Subject To Normal Conditions)

Size	Weights in Kgs.	Area in Sq. Mtrs.	Capacity in Ltrs. 1 Day	H.P. Required	RPM of Pump	Size of Plunger Pump
36"x36"x36" Plates x 35 Frames	10,000	55	40 Ton	10		Centri-Fugal
30"x30"x30" Plates x 29 Frames	5500	35	20 Ton	5	60 to 65	80 mm
30"x30"x30" Plates	4800	35	12-16 Ton	3	55 to 60	80 mm
24"x24"x24" Plates x 23 Frames	3000	16	8400 Kg	3	50 to 55	60 mm
24"x24"x30" Plates	2700	20	8400 Kg	2	50 to 55	60 mm
24"x24"x24" Plates	2300	16	6700 Kg	2	50 to 55	60 mm
18"x18"x18" Plates	1000	7	3000 Kg	1	40 to 45	50 mm
16"x16"x16" Plates	850	6	2000 Kg	1	40 to 45	50 mm
14"x14"x14" Plates	500	3	1000 Kg	1	40 to 45	50 mm
12"x12"x12" Plates	300	2	500 Kg	1	30 to 40	40 mm



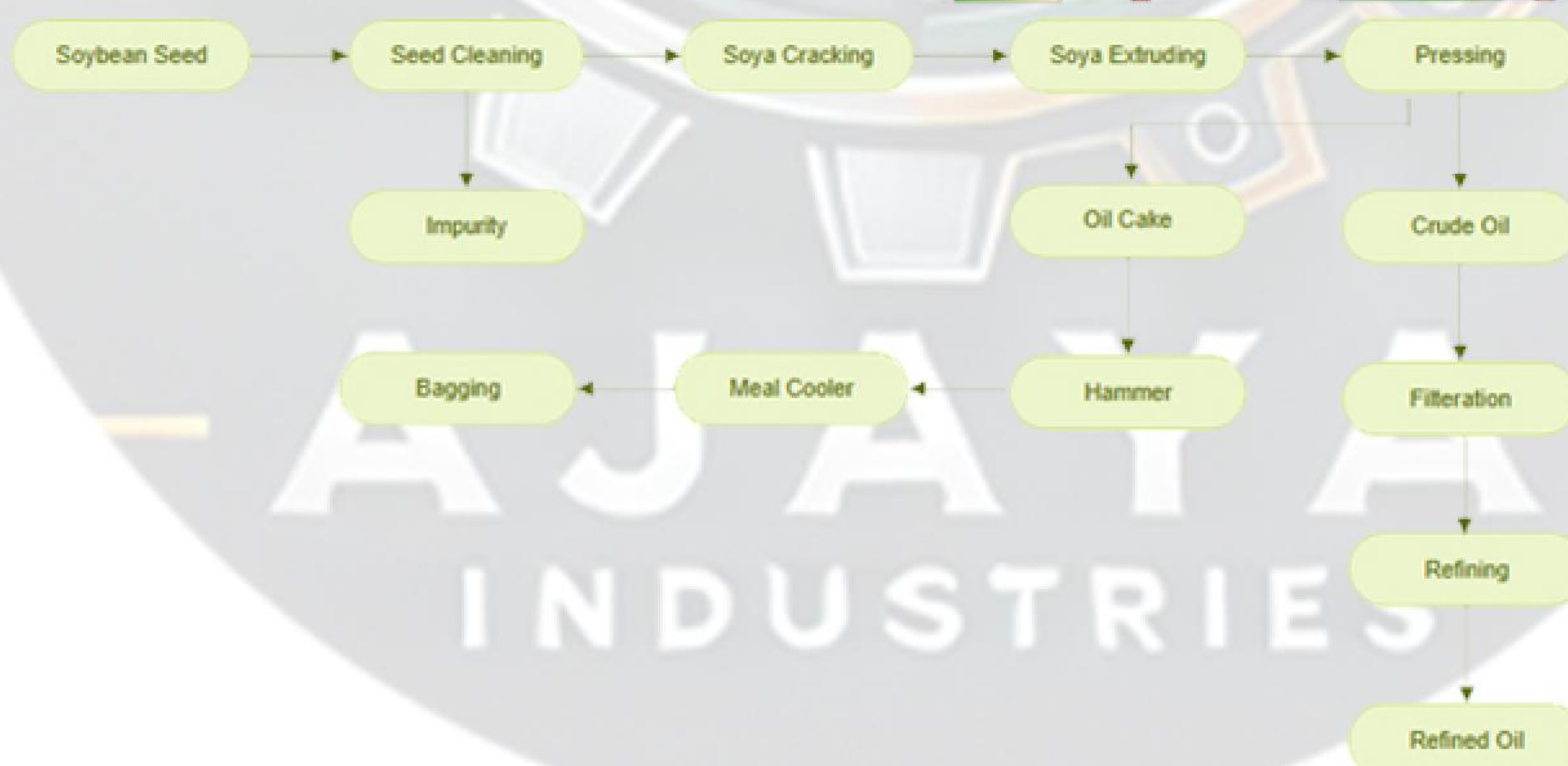
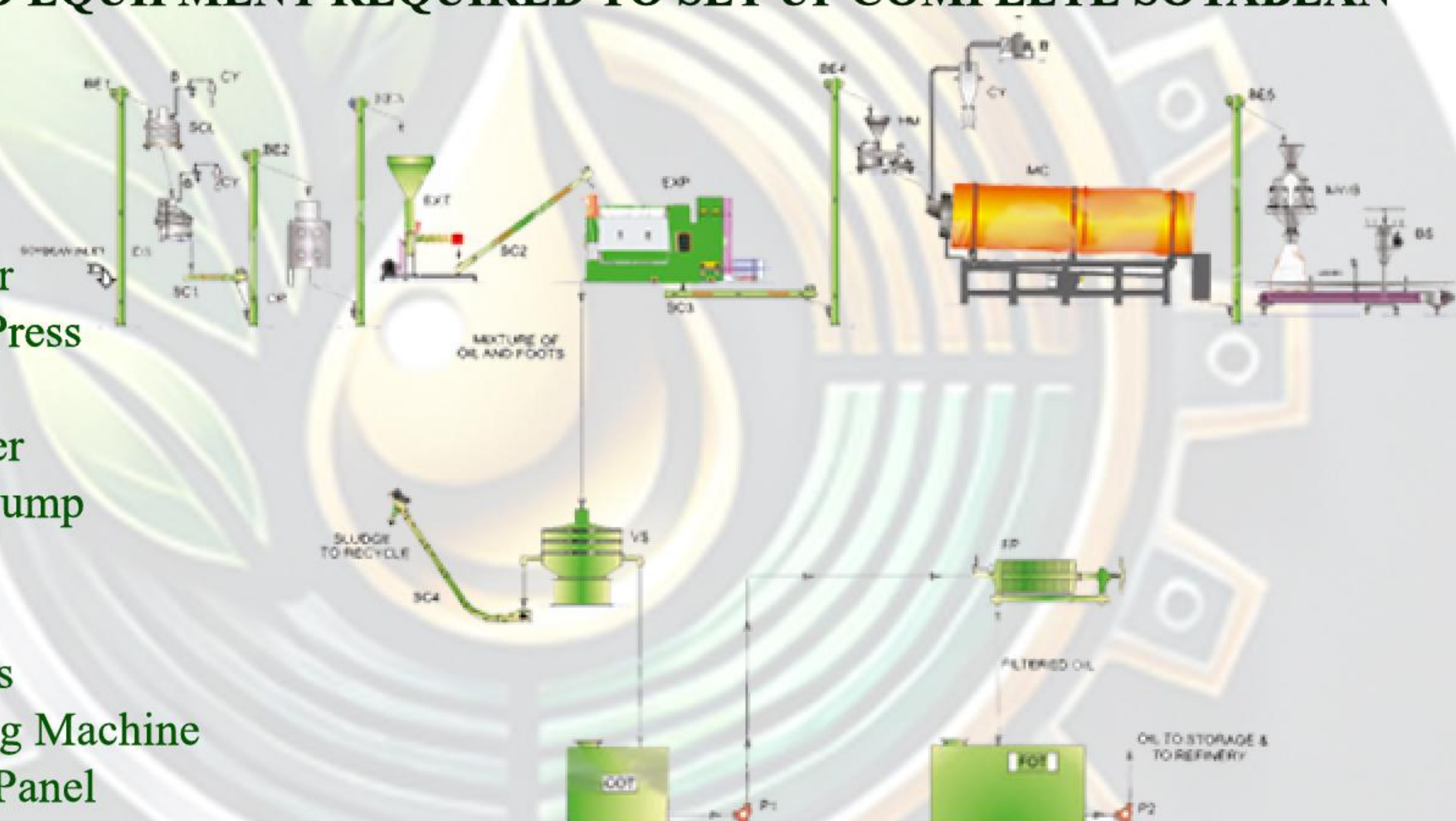


“Ajaya” Soya Oil Unit, are designed and manufactured using high quality material and modern technology at our state of art facility.

We undertake turnkey projects for the complete Soybean Oil Extraction Plant which can extract Soya Oil, Full Fat Soya Meal, Low Fat Soya Meal and Organic Soya Meal. We provide small scale soybean processing plants capacity starting from 15 TPD.

MACHINERY AND EQUIPMENT REQUIRED TO SET UP COMPLETE SOYABEAN OIL MILL:-

1. Seed Cleaner
2. De-Stoner
3. Seed Cracker
4. Soyabean Extruder
5. Oil Expeller/ Oil Press
6. Hammer Mill
7. Cake / Meal Cooler
8. Filter Press with Pump
9. Bucket Elevator
10. Screw Conveyor
11. Oil Storage Tanks
12. Volumetric Filling Machine
13. Electric Control Panel



WE ALSO DEAL IN :-



“AJAYA COOKER” is steam jacketed horizontal cooker mounted on the main expeller body. It has unique hollow drive sleeve arrangement to allow the main worm shaft to remove at ease without affecting the gear box assembly. Also, providing water cooling arrangement for better quality oil and cake.



“AJAYA CUTTER” is helpful in cutting large copra (the dried white flesh of the coconut from which coconut oil is extracted) pieces into smaller ones for oil extraction purpose. Copra Cutters are manufactured in varied capacities to suit the requirement of the oil mill plant.



“AJAYA SEED CLEANER” is designed to remove impurities in the raw materials, such as stones, irons, plant leafs, straws, dust, etc. It includes cleaning sieve, destoning machine, magnetic selector and dust remover. It improves oil yield, oil and cake quality, machines processing capacity and ensures clean working environment.

**“SS CONVEYOR ELEVATOR
&
SS BUCKET ELEVATOR”**

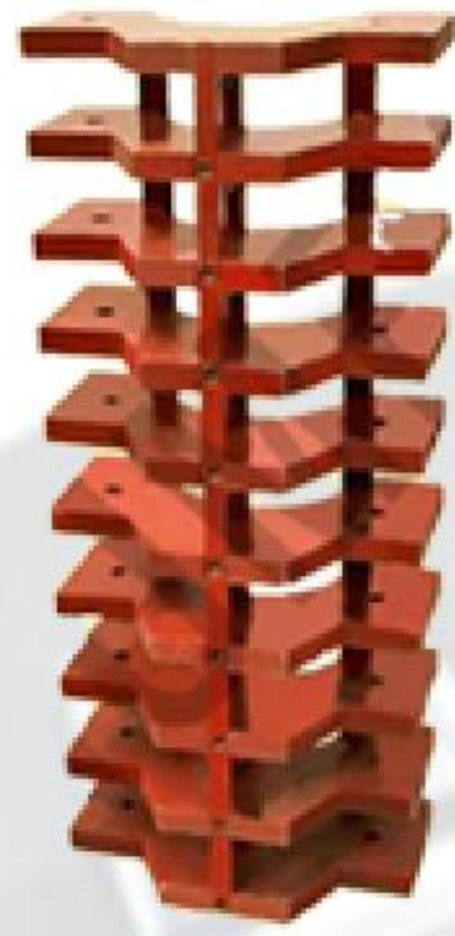


“SLAT CHAIN CONVEYOR”

WE ALSO DEAL IN :-



**CAST STEEL
CHAMBER**



**STEEL FABRICATED
CHAMBER**



**MAIN V BELT
PULLEY**



**LINNING
BAR**



**CAGE BAR
HOLDER**



**MAIN SHAFT
PINION**



**DRIVING PINION
GEAR**



**SHAFT
PINION**



**KETTLE BEVEL
PINION &
GEAR**



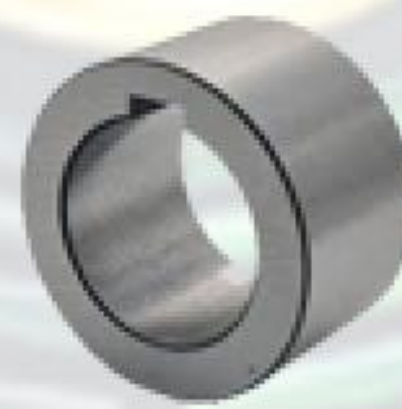
WORMS



**GEAR BOX
PINION &
BEVEL**



**MAIN AND
INTERMEDIATE
GEAR**



**SPACING
COLLARS**



**CONE
POINT**



GUDGEON



**SLEEVE WITH
NUT**



**CONE
COLLAR**



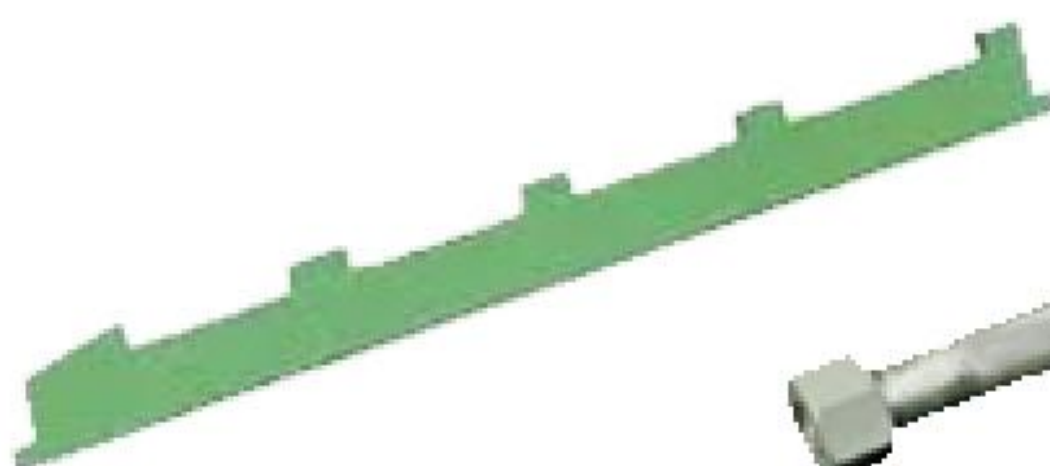
**COLLAR
PULLEY**



**SPACER
BOX**



**CAGE BAR,
SIDE BAR,
CENTRE BAR**



**KNIFE
BAR**



**CONE
POINT**



**MAIN WORM
SHAFT**



**DRIVING SIDE
SHAFT**

WE ALSO DEAL IN :-



HARD FACED WORM



HARD FACED COLLAR



SOCKET WRENCH SET



GRINDED WORMS



STAINLESS STEEL WORMS



FINISHED WORMS



CASE HARDENED WORMS



CONE POINT



FINISHED COLLARS



CONE RING



JAMMED NUT



TIE ROD

Size	Capacity	Plate Thickness
8' x 4'	2.5 Ton	3 mm
8' x 5'	3.5 Ton	3 mm
10' x 5'	5 Ton	4 mm



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