



GOYUM GROUP

● EXTRACTION ● REFINING ● RECYCLING

A Govt. of India Recognised Star Export House

SOYABEAN OIL EXTRACTION PLANT

Turnkey Solutions for the Production of
Full Fat Soya Meal, Low Fat Soya Meal & Organic Soya Meal



AN ISO 9001 & 14001 CERTIFIED COMPANY

CERTIFIED



“A customer is the most important visitor on our premises. He is not dependent on us. We are dependent on him. He is not an interruption in our work. He is the purpose of it. We are not doing him a favour by serving him. He is doing us a favour by giving us the opportunity to serve him.”

- Mahatma Gandhi

CHAIRMAN'S MESSAGE



It is our immense pleasure and pride to speak about our growth oriented profile over the decades. The company has attained prominent global leadership in the field of Edible & Non-edible Oil Extraction, Oil & Fats and Allied Industry.

We are serving our valued customers to their complete satisfaction through efficient management and excellent workmanship, which we continue to maintain with our untiring efforts. We believe in competence, competitiveness and timely delivery with highest quality standards.

The best practice of operational standards, reliability and commitment to quality is the preferred choice for our customers at GOYUM.

As we look to the years ahead, we renew our pledge to remain committed to excellence, keep abreast of changes and innovation, adopt better manufacturing techniques and successfully overcome the challenges before us.

With open arms, we welcome you to Goyum Group.

Vinod Jain





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INTRODUCTION

GOYUM Group is a leading Project Engineering Company established in 1971 and now a prominent name in the Edible & Non Edible Oil Processing Plants & Allied Industry.

We at **GOYUM** with our manufacturing units in India are pioneer in Planning, Engineering, Manufacturing, Installation and Commissioning of Complete Soyabean Oil Extraction Plant, Palm kernel Oil Extraction Plant & Other Oilseeds & Nuts Oil Extraction Plant, Solvent Extraction Plant, Edible Oil Refinery Plant, Aqua, Poultry & Animal Feed Plant, Oleochemical Plant, Rice Mill Machinery, Flour Mill Plant, MSW, Plastic & Industrial Shredder, Used Engine Oil Re-Refining Plant, Used Tyre Pyrolysis Plant, Steaming Solution, Solar PV Solution, Water & Waste Water Treatment Plant and Food Processing Solutions.

We have supplied more than 750 projects on Turnkey basis which are performing successfully in 6 Continents covering 63+ countries. We are registered with United Nation Agencies.

The plants offered by **GOYUM** are robust, flexible, versatile, safe, reliable and efficient. These plants are based on the commercially proven technologies, which are not only energy efficient & environment friendly, but also cost effective.

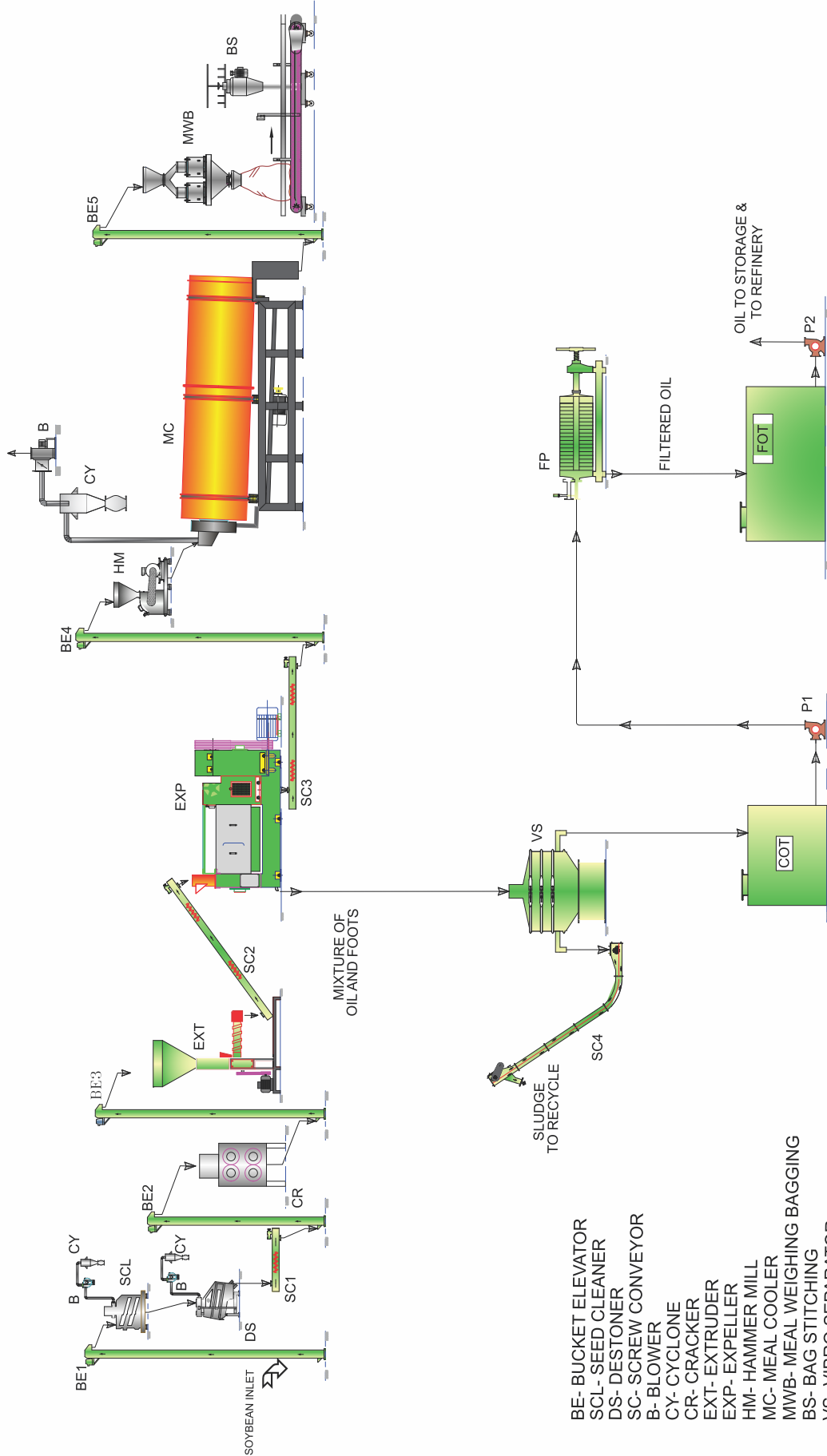
Further, we also undertake the expansion of the existing plants with modern technologies.

GOYUM is backed by a strong leadership, dedicated workforce and progressive update in technology.

OUR CERTIFICATIONS



TYPICAL FLOW DIAGRAM FOR SOYBEAN PROCESSING



- BE- BUCKET ELEVATOR
- SCL- SEED CLEANER
- DS- DESTONER
- SC- SCREW CONVEYOR
- B- BLOWER
- CY- CYCLONE
- CR- CRACKER
- EXT- EXTRUDER
- EXP- EXPELLER
- HM- HAMMER MILL
- MC- MEAL COOLER
- MWB- MEAL WEIGHING BAGGING
- BS- BAG STITCHING
- VS- VIBRO SEPARATOR
- COT- CRUDE OIL TANK
- FOT- FILTERED OIL TANK
- P- PUMP
- FP- FILTER PRESS



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PROCESS EQUIPMENT



SEED CLEANER
Capacity : 1TPH to 5 TPH



DESTONER
Capacity : 1TPH to 5 TPH



SOYABEAN CRACKER
Capacity : 1TPH to 5 TPH



HAMMER MILL
Capacity : 0.5 TPH to 2 TPH

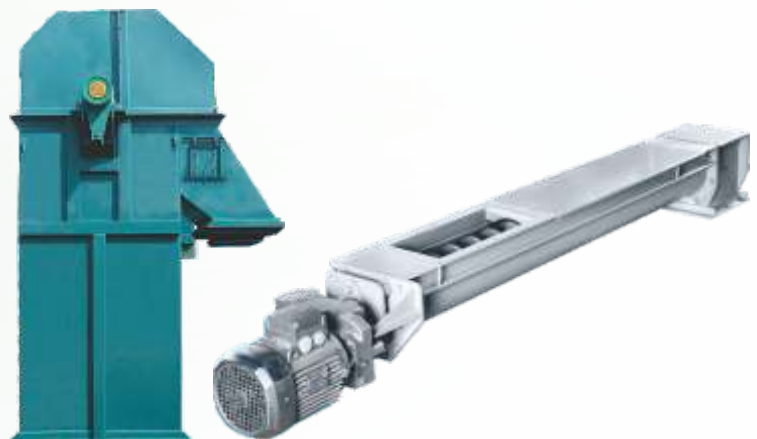


VIBRO SEPARATOR

ELECTRICAL PANEL



MATERIAL HANDLING EQUIPMENT



BUCKET ELEVATOR

SCREW CONVEYOR



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SOYABEAN EXTRUDER

Goyum Soyabean Extruder reduces the anti-nutritional factors such as trypsin inhibitors, urease and lectins that badly affect the digestive efficiency.

Prior to the mechanical extraction of oil, Soyabean is processed inside the extrude barrel, the soybeans are being compressed, ground and heated that frees the oil by rupturing oil seed cell walls. Due to dry extrusion the fat cells open and as a result fats are easily digested by domestic animals.



Features :

- ◆ Alloy Steel Casting
- ◆ Steel Fabricated Base & Bodies
- ◆ Fitted with FAG German Bearings
- ◆ Rigid Compact Design
- ◆ Low Maintenance

Advantages :

- ◆ Releases of intra-cellular oil and natural tocopherols
- ◆ Increases by-pass protein level
- ◆ Saves over 30% of energy during soybean processing prior to oil extraction

Specifications :

Power-Main Drive Motor	Power-Feeder Drive Motor	Drive	Capacity
120 HP	Top Feeder - 1 HP, Side Feeder - 3 HP	Single Ribbed Nonslip Belt	20 TPD

★ Equipment comes standard with over the top volumetric feeder. Optional side feeder or pre-conditioner also available

WORLDWIDE INSTALLATIONS



Installed in Ethiopia



Installed in Nigeria



Installed in India



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SOYABEAN OIL EXPELLER / OIL PRESS

Features :

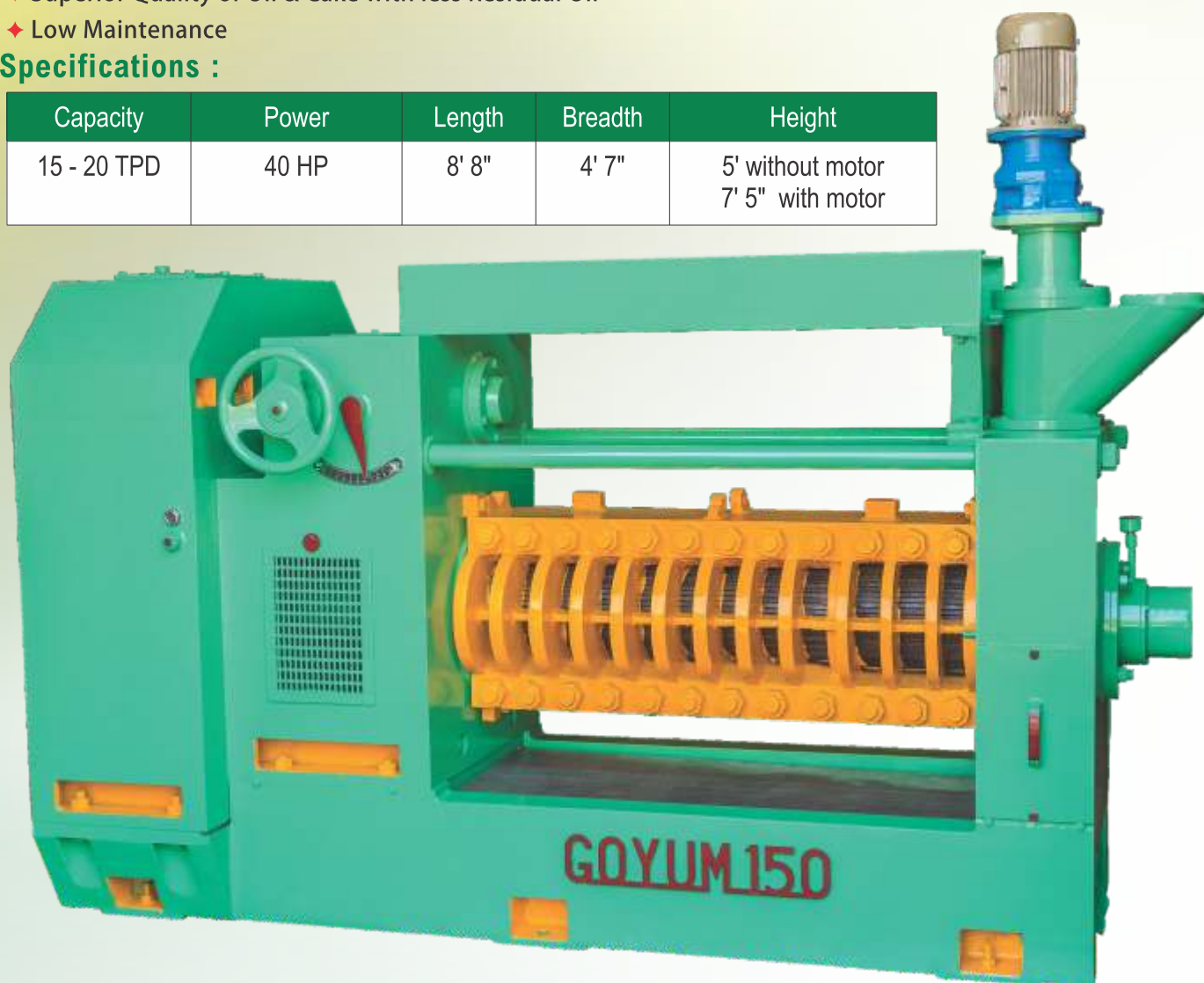
- ◆ Steel Fabricated Base and Bodies
- ◆ Double Reduction Gearbox with Helical Gears of Cast Steel
- ◆ Cast Steel Chamber of Size : Length - 45", Bore - 7.5" x 6.55"
- ◆ Hard Faced Worm Assembly, Discharge Ring and Compression Ring
- ◆ Cake Thickness can be Adjusted on Running Machine
- ◆ Main Worm Shaft can be withdrawn without Disturbing the Gearbox
- ◆ Crammer Shaft gives extra cramming of the seed or cake in the feed body
- ◆ Superior Quality of Oil & Cake with less Residual Oil
- ◆ Low Maintenance

Specifications :

Capacity	Power	Length	Breadth	Height
15 - 20 TPD	40 HP	8' 8"	4' 7"	5' without motor 7' 5" with motor

MODEL : GOYUM 150

ALL STEEL CONSTRUCTION



WORLDWIDE INSTALLATIONS



Installed in India



Installed in Nigeria



Installed in Ethiopia



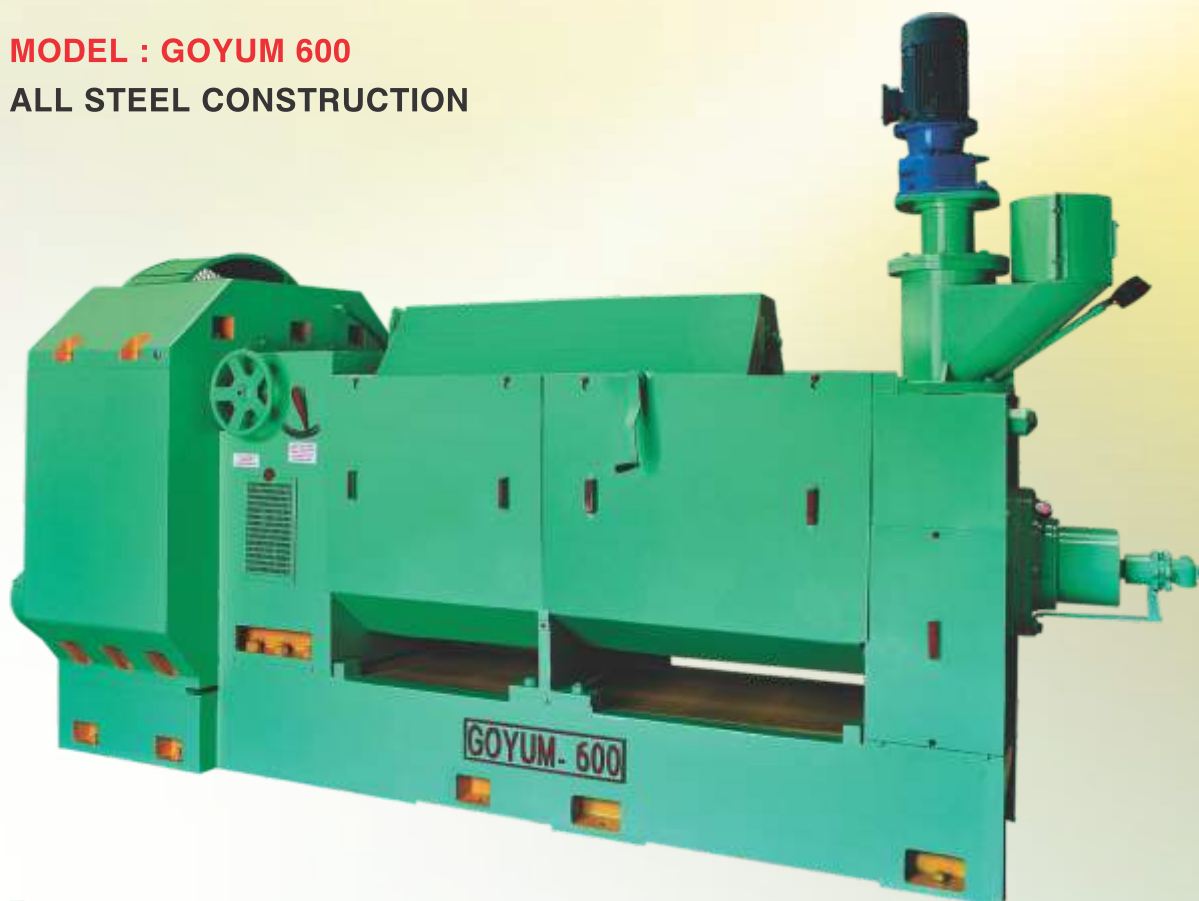
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OIL EXPELLERS

MODEL : GOYUM 600

ALL STEEL CONSTRUCTION



Features :

- ◆ This model has been designed in a simple and symmetrical shape.
- ◆ Triple reduction gear box helical gear of cast steel and pinion shaft of special steel.
- ◆ Gear box is aligned with all the bodies on a single fabricated base.
- ◆ This expeller has two chamber of cast steel, vertically hinged. Each of 36" long.
- ◆ Cake thickness can be adjusted on running machine.
- ◆ Worm assembly, discharge ring, Sliding ring are hard face welded.
- ◆ Main worm shaft can be withdrawn without disturbing the gear box. The shaft is water cooled.
- ◆ Crammer shaft for extra cramming of the seed or cake is fitted on the feed body, the crammer shaft is completely supported on bearings.
- ◆ Base and bodies are Mild Steel Fabricated.
- ◆ Superior Quality of Oil & Cake.
- ◆ Low Maintenance.

Specifications :

MODEL	CAPACITY	POWER	LENGTH	BREADTH	HEIGHT
GOYUM 600	30 - 35 TPD	80 HP	13'10"	3'10"	6'6"

WORLDWIDE INSTALLATIONS



Installed in Benin



Installed in Ghana



Installed in Zambia



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OIL EXPELLERS

MODEL : GOYUM 1500

ALL STEEL CONSTRUCTION



Features :

- ◆ This model has been designed in a simple and symmetrical shape.
- ◆ Triple reduction gear box helical gear of cast steel and pinion shaft of special steel.
- ◆ Gear box is aligned with all the bodies on a single fabricated base.
- ◆ This Expeller has Three chamber of cast steel, vertically hinged. Each of 36" long.
- ◆ Cake thickness can be adjusted on running machine.
- ◆ Worm assembly, discharge ring, sliding ring are hard faced.
- ◆ Main worm shaft can be withdrawn without disturbing the gear box. The shaft is water cooled.
- ◆ Crammer shaft is fitted on the feed body and is driven by geared motor of 3 HP.
- ◆ Base and bodies are Mild Steel Fabricated.
- ◆ Superior quality of Oil & Cake.
- ◆ Low Maintenance.

Specifications :

MODEL	CAPACITY	POWER	LENGTH	BREADTH	HEIGHT
GOYUM 1500	50 - 60 TPD	150 HP	16'	4' 2"	8'

WORLDWIDE INSTALLATIONS



Installed in Madagascar



Installed in Uganda



Installed in India



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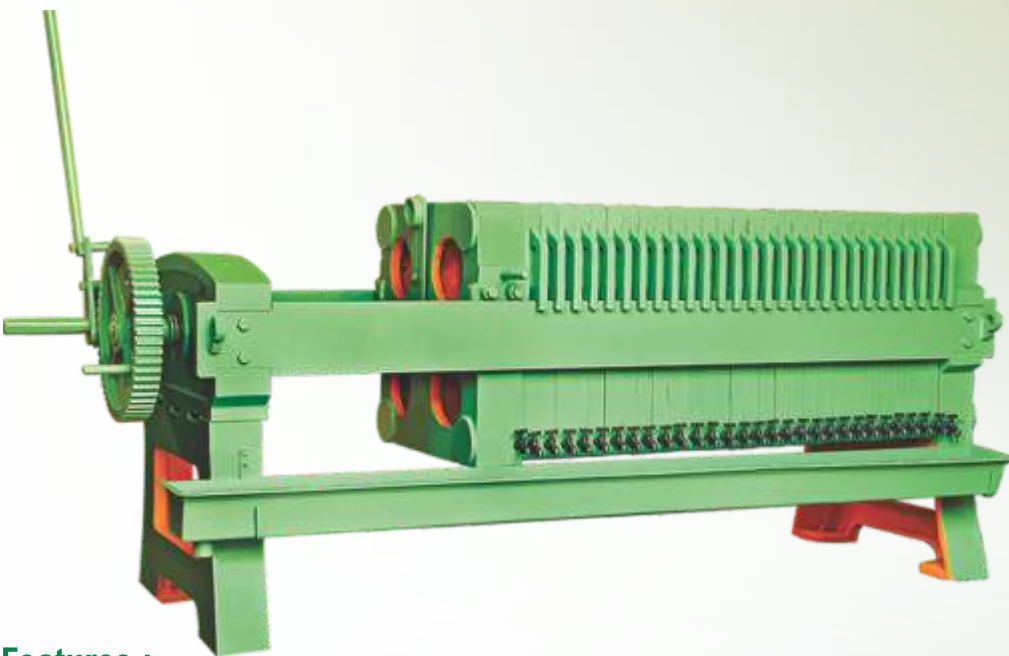
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MEAL COOLER

MEAL COOLER 100 TPD



FILTER PRESS PLATE TYPE



Single Piston Pump



Duplex Pump

Features :

- ◆ Plates of the filter press are tested for casting defects before machining.
- ◆ Grinding process is done on the faces of filter plates to avoid leakages at high pressure.
- ◆ Flat bars provided at the sides are designed to stand extra pressure.
- ◆ Accessories provided with filter press are petcocks, oil tray, one rod and a spanner (for filter cloth nuts).
- ◆ Plunger pump is supplied along with safety valve, air vessel, pressure gauge, pulley, belts & motor (optional).

SPECIFICATION OF PLATE TYPE FILTER PRESSES

Size	Weight of Filter Press (Kgs.)	Filtration Area (Sq. Mtrs.)	Capacity (Liters/Day)	Power (HP)	No. of Pistons	Size of Plunger Pump
18" X 18" X 18 Plates	1100	4	5,000	2	Single	40 mm
24" X 24" X 24 Plates	2500	9	10,000	3	Single	60 mm
24" X 24" X 30 Plates	3000	11	12,500	5	Single	60 mm
30" X 30" X 30 Plates	5500	18	25,000	7.5	Single	75 mm



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OIL MILL SPARES

SPARE PARTS FOR SOYABEAN EXPELLER



Code 151 : Main Gear **Code 152** : Driving Gear **Code 154** : Main Shaft Pinion **Code 155** : Driving Pinion Shaft
Code 156 : Chamber Tie Rod **Code 157** : Main Worm Shaft **Code 158** : Knife Bar **Code 159** : Main V Belt Pulley
Code 160 : (A) Lining Bar (B) Cage Bar Holder **Code 161** : Worms **Code 162** : Cast Steel Chamber **Code 163** : Spacing Collars
Code 164 : Discharge Ring **Code 165** : Sliding Ring **Code 166** : Cone Point **Code 167** : Spacer Box

SPARE PARTS FOR SOYABEAN EXTRUDER



Code 101 : Main Shaft **Code 102** : Feed Barrel
Code 103 : Barrels **Code 104** : Die Plate
Code 105 : Nozzle **Code 106** : Front Bolt
Code 107 : Front Bolt Cap **Code 108** : Feed Worm
Code 109 : Pressing Worm **Code 110** : Steam Lock
Code 111 : Ring **Code 112** : Barrel Lock
Code 113 : Worm Keys

OUR PRESENCE



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Manufacturer & Exporter of

Vegetable Oil Extraction Plant | Soybean Oil Extraction Plant | Palm Kernel Oil Production Line | Solvent Extraction Plant | Cooking Oil Refinery Plant |
Aqua, Poultry & Animal Feed Plant | Oleochemical Plant | Used Engine Oil Re - Refining Plant | Rice Mill Machinery | Flour Mill Plant |
Industrial Shredders | Used Tyre Pyrolysis Plant | Steaming Solution | Solar PV Solution | Water & Waste Water Treatment Plant | Food Processing Solutions

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