



SINCE 1971

GOYUM

● 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



“Our clients are at the heart of everything We Do. Customer satisfaction is our ultimate goal. We measure our success by the success of our clients. Our commitment to quality is not just a promise, but a practice. We are not just building products; we are shaping the future of our clients. Our vision is to create solutions that stand the test of time.”

CHAIRMAN'S MESSAGE



Vinod Jain

Goyum Jain

Our success as a leading manufacturing & export house, is a testament to our unwavering dedication, innovation, and hard work. The company has attained prominent global leadership in the field of Edible and non edible oil extraction, oil & fats and allied industries.

We are serving our valued customers to their complete satisfaction by ensuring fair, transparent, accountable and ethical management in order to protect the interest of all stakeholders including employees, customers, vendors, regulators and society. We prioritize competence, competitiveness, and timely delivery while maintaining the highest quality standards.

As a responsible corporate citizen, we follow the laws of land in Letter and Spirit.

We will continue to push boundaries, explore new markets, and set higher standards for ourselves.

Let's embrace the future with optimism, collaborate with passion, and strive for excellence. Together, we will not only achieve our goals but surpass them, making our company a benchmark in the industry.

With open arms, we welcome you to GOYUMINDIA.





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INTRODUCTION

GOYUM SCREW PRESS is a leading Project Engineering Company established in 1971 and now a prominent name in the Edible & Non-Edible Oil Processing Plants & Allied Industry on Turnkey Basis.

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

We also undertake the expansion of the existing plants as per customer requirements.

We have supplied more than **750 Projects** on Turnkey Basis which are performing successfully in **66+ Countries** covering **6 continents**. We are registered with United Nation Agencies.

The projects offered by **GOYUM** are robust, flexible, versatile, safe, reliable and efficient. Our manufacturing processes are designed to minimise environmental impact while maximising efficiency with commercially proven cost-effective technologies.

GOYUM is backed by a strong leadership, dedicated workforce and we continually invest in cutting edge technologies to provide our clients with best solutions.

Our commitment to you doesn't end with your purchase; our exceptional after-sales support team is here to ensure your satisfaction at every step of the way.

OUR CERTIFICATIONS





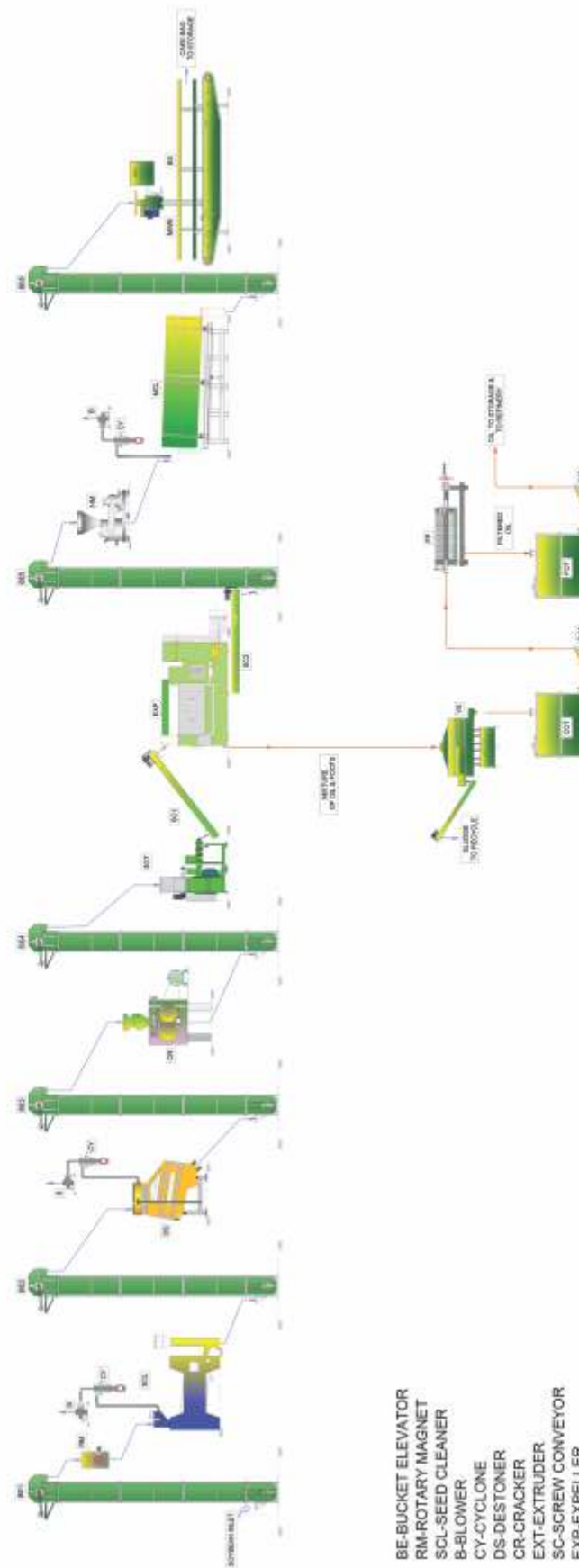
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OIL MILL FLOW DIAGRAM

TYPICAL FLOW DIAGRAM FOR SOYBEAN PROCESSING



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



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OIL MILL PROCESS EQUIPMENT



SEED CLEANER
Capacity : 1TPH to 8 TPH



DESTONER
Capacity : 1TPH to 8 TPH



MAGNETIC SEPARATOR
Capacity : 2 TPH to 8 TPH



HAMMER MILL
Capacity : 0.5 TPH to 6 TPH



SOYABEAN CRACKER
Capacity : 1TPH to 8 TPH



ELECTRICAL PANEL



SCREW CONVEYOR



BUCKET ELEVATOR



PIPE 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 Screw
- ◆ 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 :

MODEL	POWER-MAIN DRIVE MOTOR	CAPACITY	POWER-FEEDER DRIVE MOTOR	DRIVE
GOYUM - 24	120 HP	750-1000 KG / HOUR	1 HP MOTOR WITH GEAR BOX (QTY. 01 Nos.)	VFD (1HP)
GOYUM - 45	200 HP	2000 - 2500 KG / HOUR	5 HP MOTOR WITH GEAR BOX (QTY. 02 Nos.) & 2 HP MOTOR WITH GEAR BOX (QTY. 01 Nos.)	VFD (5HP) 2 Nos. & VFD (2HP) 1 Nos.
GOYUM - 96	400 HP	3500 - 4500 KG / HOUR	3 HP MOTOR WITH GEAR BOX (QTY. 01 Nos.)	VFD (3HP) 1 Nos.

Note: The above given figures will vary based on raw material and processing parameters.



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SOYABEAN OIL EXPELLER / OIL PRESS

MODEL : GOYUM 150

ALL STEEL CONSTRUCTION



Features :

- ◆ Steel Fabricated Base and Bodies.
- ◆ Double Reduction Gearbox with Helical Gears of Cast Steel.
- ◆ Cast Steel Chamber: Ø 6 1/2" X 7 1/2" X 45" Long
- ◆ 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 :

EXPELLER MOTOR	CAPACITY	LENGTH	BREADTH	HEIGHT	WEIGHT
3 Phase, 40 H.P., 1440 RPM	15- 20 TPD*	2682mm (8'8")	1433mm (4' 7")	1524mm (5')	4200 Kgs

★ Capacity differs with material density & quality of oil seeds / nuts



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SOYABEAN OIL EXPELLER / OIL PRESS

MODEL : GOYUM 240



Features :

- ◆ This model has been designed in a simple and symmetrical shape.
- ◆ Mild Steel Fabricated Base and Body. Cast Iron gear box.
- ◆ Double Reduction Gear Box with Cast Steel Helical Gears and Special Steel Pinion Shafts.
- ◆ Chambers are Vertically Fitted.
- ◆ This Expeller has Two Chambers made of Cast Steel Feed Size : Ø 9" x 24" Long, Discharge Size : Ø 7" x 36" Long.
- ◆ Hard faced Worm Assembly.
- ◆ Main Worm Shaft can be withdrawn without disturbing the Gear Box.
- ◆ Cake Thickness can be Adjusted after stopping the Machine.
- ◆ Gear Box is aligned with the bodies on a single fabricated base.
- ◆ Superior quality of Oil & Cake.
- ◆ Low Maintenance.

Specifications :

EXPELLER MOTOR	CAPACITY	LENGTH	BREADTH	HEIGHT	WEIGHT
3 Phase, 75 H.P., 960 RPM	23 - 25 TPD*	3090 MM (10'2")	1250 MM (4'1")	1524 MM (5')	5000 to 5200 Kgs

★ Capacity differs with material density and quantity of oil in it.



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SOYABEAN OIL EXPELLER / OIL PRESS

MODEL : GOYUM 600

ALL STEEL CONSTRUCTION



Features :

- ◆ This model has been designed in a simple and symmetrical shape.
- ◆ Mild Steel Fabricated Bodies and Base.
- ◆ Triple Reduction Gear Box with Cast Steel Helical Gears and Special Steel Pinion Shafts.
- ◆ Chambers are Vertically Fitted.
- ◆ This Expeller has Two Chambers made of Cast Steel. Feed Size : Ø 9" x 36" Long, Discharge Size : Ø 8" x 36" Long.
- ◆ Hard Faced Worm Assembly, Discharge Ring and Sliding Ring.
- ◆ 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 and is driven by 3 H.P. Geared Motor.
- ◆ Cake Thickness can be Adjusted on Running Machine.
- ◆ Gear Box is aligned with the body on a single fabricated base.
- ◆ Superior quality of Oil & Cake.
- ◆ Low Maintenance.

Specifications :

EXPELLER MOTOR	CAPACITY	LENGTH	BREADTH	HEIGHT	WEIGHT
3 Phase, 80 H.P., 1440 RPM	30 TPD*	4210 MM (13'10")	1600 MM (5'3")	1829 mm (6')	8000 to 8200 Kgs

★ Capacity differs with material density and quantity of oil in it.



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● EXTRACTION ● REFINING ● RECYCLING

SOYABEAN OIL EXPELLER / OIL PRESS

MODEL : GOYUM 1500

ALL STEEL CONSTRUCTION



Features :

- ◆ This model has been designed in a simple and symmetrical shape.
- ◆ Base and Body is Fabricated from Tested Mild Steel.
- ◆ Triple Reduction Gear Box of Cast Steel Helical Gears and Special Steel Pinion Shafts.
- ◆ Chambers are Vertically Hinged.
- ◆ This Expeller has Three Chambers made of Cast Steel. Feed Size : Ø 12" x 36" Long, Middle Size : Ø 11" x 36" Long, Discharge Size : Ø 10" x 36" Long.
- ◆ Hard Faced Worm Assembly, Discharge Ring and Sliding Ring.
- ◆ 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 and is driven by 3 H.P. Geared Motor.
- ◆ Chamber Lifting system is manual.
- ◆ Cake Thickness can be Adjusted on Running Machine.
- ◆ Gear Box is aligned with the body on a single fabricated base.
- ◆ Superior quality of Oil & Cake.
- ◆ Low Maintenance.

Specifications :

EXPELLER MOTOR	CAPACITY	LENGTH	BREADTH	HEIGHT	WEIGHT
3 Phase, 170 H.P., 1440 RPM	50 - 60 TPD*	5500 MM (18')	1360 MM (4'6")	2660 MM (8'9")	15 Tons

* Capacity differs with material density and quantity of oil in it.

MEAL COOLER 100 TPD



OIL CLARIFICATION EQUIPMENT

(A) VIBRO SEPARATOR



Features :

- ◆ Self-contained, compact screening equipment
- ◆ Specially designed vibratory motor
- ◆ Maintenance free
- ◆ Stainless Steel Mesh

SCREEN	POWER
24"	0.5 HP
30"	0.5 HP
36"	0.5 HP
48"	1.5 HP
60"	1.5 HP
72"	3 HP

(B) FOOTS SCREENING TANK

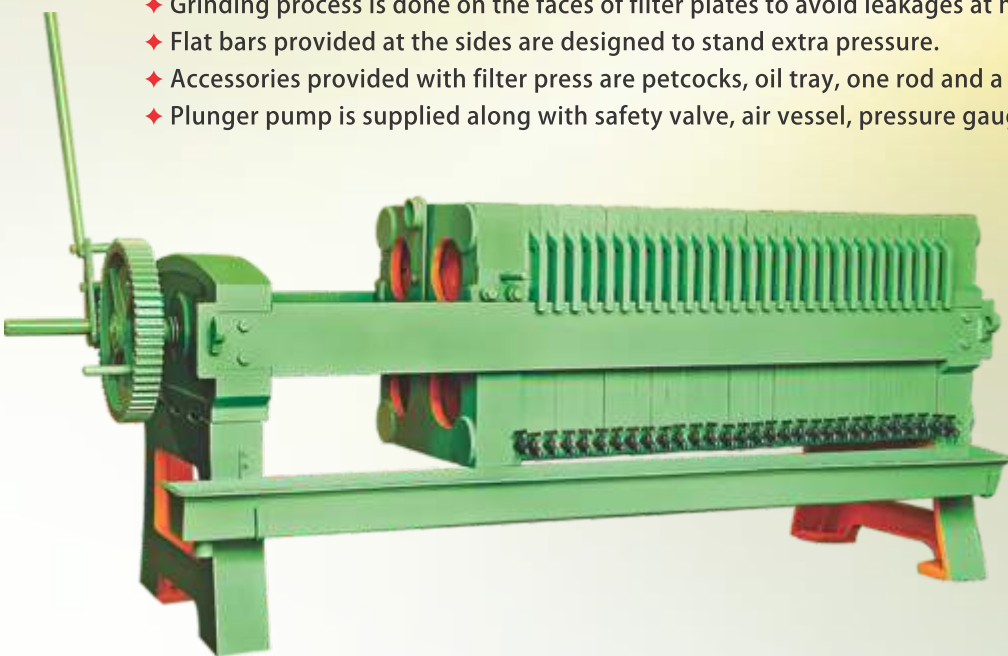


Features :

- ◆ Perforated sheet for efficient foots separation
- ◆ Inbuilt sludge discharge conveyor
- ◆ Alloy Steel Drag Chain with Fabricated Pallets
- ◆ Trouble Free operations
- ◆ Allows for Intermediated storage of Pre-cleaned Oil

(A) CAST IRON FILTER PRESS

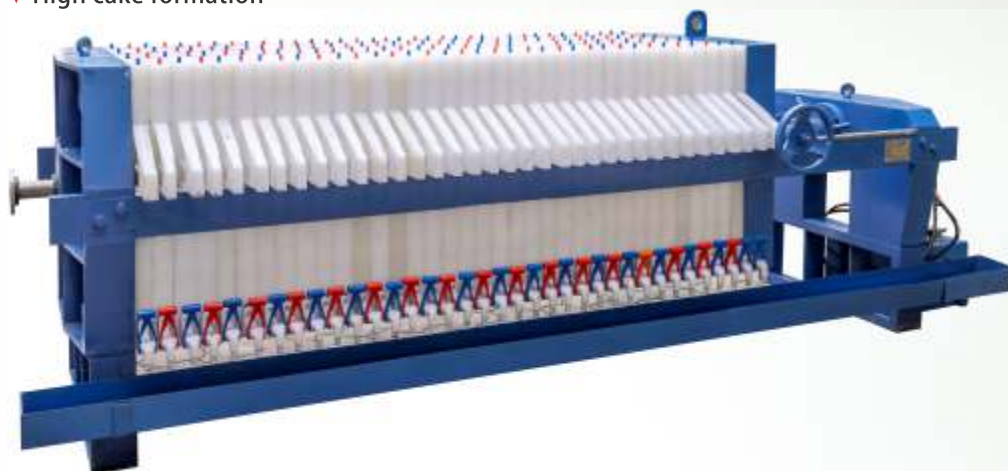
- Features :**
- ◆ Plates of the filter press are tested for casting defects before machining.
 - ◆ Grinding process is done on the faces of filter plates to avoid leakages at high pressure.
 - ◆ Flat bars provided at the sides are designed to stand extra pressure.
 - ◆ Accessories provided with filter 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).



Gear Pump

(B) PP FILTER PRESS

- Features :**
- ◆ Filter plates are made of reinforced polypropylene with high strength light weight, corrosion resistance and non toxic.
 - ◆ Heavy duty hydraulic cylinder for opening and closing of press
 - ◆ Ability to quickly change the filter cloths
 - ◆ High cake formation



(C) VERTICAL PRESSURE LEAF FILTER PRESS

Available from 20m² to 150 m²



Specifications:

SIZE	FILTRATION AREA (Sq. Mtrs)	CAPACITY (Ltrs/Per Day)
18" X 18" X 18 PLATES	4	5,000
24" X 24" X 24 PLATES	9	10,000
24" X 24" X 30 PLATES	11	12,500
30" X 30" X 30 PLATES	18	25,000
36" X 36" X 36 PLATES	23	40,000

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

***Note:** The codes mentioned above are only for reference. We request you to kindly refer to the machine manual for placing spares order.



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SOYABEAN OIL EXTRACTION PLANTS

WORLDWIDE INSTALLATIONS



Installed in Ethiopia



Installed in Ghana



Installed in Togo



Installed in India



Installed in Nepal



Installed in Ethiopia



Installed in Uganda



Installed in Nigeria



Installed in Madagascar



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SOYABEAN OIL EXTRACTION PLANTS

WORLDWIDE INSTALLATIONS



Installed in Egypt



Installed in Mali



Installed in Cote D'Ivoire



Installed in Benin



Installed in Ethiopia

OUR PRESENCE



GOYUM
 • EXTRACTION • REFINING • RECYCLING

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