

GOYUM

- 100% Export Oriented Unit
- ISO 14001 & 9001 Certified Company
- CE Certified Products
- Govt. of India Recognized Star Export House
- United Nations Registered Supplier
- D&B D-U-N-S No 65-031-9911
- Exported to 45+ Countries Worldwide

PRODUCT CATALOG

2011

Our Few
Installed
Oil Plants
Worldwide



Exclusively Designed
For High Capacity
Oil Millers
GOYUM 1500



**Manufacturers & Exporters
of
Complete Range of Oil Mill Machinery and Vegetable Oil Refinery Plants**



Goyum1500 in Bulgaria

Goyum1500s in Ghana

Two Goyum-150 in Canada

500tpd Soya Crushing Plant in USA

200 TPD Plant in Mali

Goyum30 in USA

GOYUM SCREW PRESS

DEDICATED TO THE SERVICE OF HUMANITY

324, INDUSTRIAL AREA-A, LUDHIANA-141003. (PUNJAB) INDIA.

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INTRODUCTION

We wish to introduce ourselves as one of the leading Manufacturers and Exporters of complete Oil Mill Machinery, Vegetable Oil Refinery Plants and Solvent Plants from India.

GOYUM SCREW PRESS was founded by Mr. Vinod Jain, S/o Mr. Sat Prakash Goyal (having 30 Yrs of experience in Oil Mill Machinery Manufacturing Sector). Under the technical guidance of Mr. Harbhajan Singh (having 40 Yrs of experience in the field of Designing and Development of Oil Mill Machinery Plants), we are a professionally managed fast growing company dedicated to design, manufacture and supply Oil Expellers (Capacity ranging from one ton to one hundred and fifty ton in 24 hrs) along with other related machinery and equipment.

We have a team of outstanding personnel with vast experience in India and abroad. Their contribution in the field of Oil Mill Machinery, have accelerated the growth of the company which today occupies an enviable position among Indian Manufacturers.

Our company has also engaged team of engineers for erection & commissioning on Turnkey basis and after sale services.

Our company is certified with **ISO 9001: 2008** and our products are certified with **CE** Marking.

We are a **Government of India Recognized Export House**.

We are also having various **Local and National Industry and Allied Memberships**.

We have been honoured with various awards like :

- Rashtriya Udyog Ratna Award by National Education & Human Resource Development Organisation in the Year 2010.
- IndiaMART Leaders of Tomorrow Nominee in the Year 2010 by ET Now and Independent Evaluating Company was Neilsen having their headquarters in Newyork, USA. Our Company Video was featured in the Electronic Channel of ET Now.
- Economic Development Award for Business Excellence by Economic Development Forum in the Year 2009.

Mission:

Goyum Screw Press is committed to provide reliable, innovative and to-the-point solutions to the clients that in turn ensure complete customer satisfaction, an invaluable reward for a business entity.

Vision:

"Become an internationally reputed company with capabilities to undertake complete turnkey projects of magnitude comparable to complete new oil mills."

Core Ideology:

The company since its inception includes a deep respect for the individual, a dedication to affordable quality and reliability, a commitment to community responsibility, and a view that the company exists to make technical contributions for the advancement and welfare of humanity.

We believe that a customer is an asset. Customers are our best product managers, our best evangelists, and perhaps the only people in the world who will tell us the truth about our company and our products. We help our customers by involving with them in a positive, passionate, way about our business and talk with them and treat them as equal partners.

We believe that at the end of the day, every company lives and dies by how well it serve, supports, and interacts with its customers. Every customer experience is put on the global scale of "success" or "failure".

We are doing everything we can, not only to reduce the number of negative experiences with Goyum Screw Press, but to create a positive environment.

Core Business Areas:

We specialise in providing complete range of Oil mill Machinery, for setting up of oil expellers or oil mills, for the extraction of edible oil from the following category of oil seeds.

- Mustard / Canola / Rapeseed
- Coconut
- Soya Bean
- Sunflower
- Cotton
- Jatropha
- Palm Kernel
- Groundnut
- Corn Germ
- Neem
- Shea
- Sesame and other seeds and nuts.

Child Labour:

At Goyum, we strongly believe that child labour is a violation of fundamental human rights and we support the voice of international communities to stop child labour. As a responsible corporate citizen, we don't employ any person, who is below the age of 18 years.

Corporate Social Responsibility:

At Goyum, we believe that being a responsible corporate citizen, we must fulfil our social obligations by means of an overall development of society at large and at the same time we also strive to protect the environment for our future generation.

We strictly follow the global pollution control norms and ensure minimum negative impact on environment and simultaneously, encourage all the stakeholders to environment-friendly practices. Our senior management bestows enormous importance for discharging its overall social responsibilities to the society at large.

Manpower:

Goyum Screw Press employs about 52 persons on a full time basis.

- A technical staff of 12 persons consisting of fully qualified engineers, experienced designers, draughts men, project leaders, workshop and site technicians, QC inspectors.
- A marketing and administrative support staff of about 10 persons for marketing, secretarial work, procurement inbound and outbound logistics, clearing and forwarding, accounting, stores.
- A total skilled labour force of about 40 workers which includes coded welders, fitters, machinists.

Oil Extraction Machinery

Goyum Screw Press has a variety of oil extraction machinery available for various oil extraction requirements. Made of high-grade material, these machines deliver excellent performance and are easy to use, durable and require negligible maintenance. Available at competitive prices, our machines are available in a wide variety of capacities and specifications.

OIL EXPELLER / SCREW PRESS MODEL NAMES	PAGE NO.
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GOYUM 10 With Electricals



With a capacity of 1 ton per day, the Goyum 10 is a cost-effective solution for small and pilot applications. This machine comes complete with a seed cooking arrangement which utilize steam or electricity.

The main body and base of the Goyum 10 are made out of high grade quality cast iron. It has a single reduction gear box with spur gears and a fabricated chamber with three sections. Feeding Drum is Single Stage with & without heating arrangement (as required). The worm assembly is case hardened to ensure it withstands heavy wear and tear, which results in a superior quality of oil and cake. The cake thickness can be adjusted after stopping the machine. This machine is easy to operate and requires little maintenance.

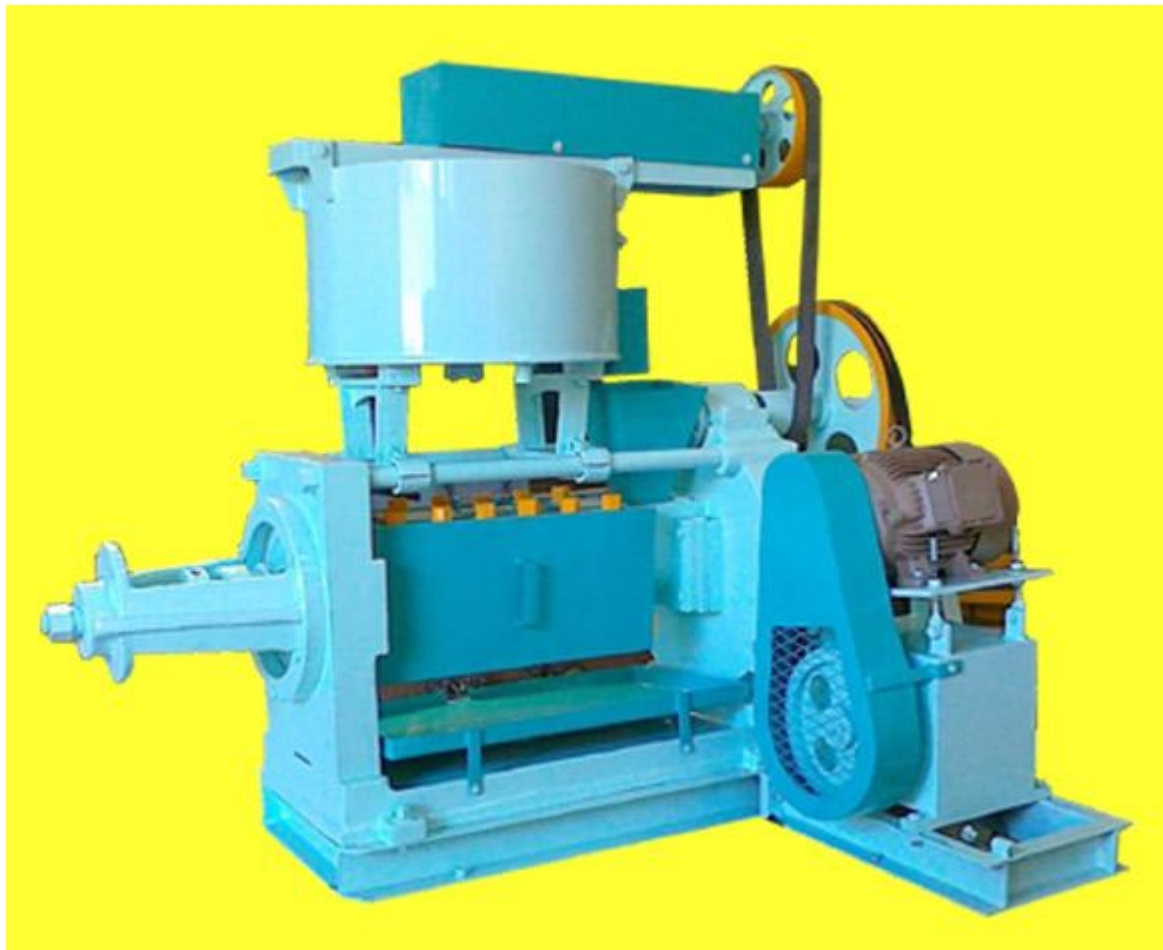
Product Specification

Power Consumption:	3-Phase 5 HP and Motor - 1440 RPM.
Chamber Size:	Diameter 3.1/2" x 20" Long
High Capacity:	1 Ton per 24 Hours (Capacity differs with material density & quantity of oil in it.)

Overall Machine Dimensions (Approx.)

Length	1300 mm
Breadth	475 mm
Height	1075 mm

GOYUM 20 With Electricals



The Goyum 20 utilized the same time proven design of our smaller Goyum 10 units. This machine comes complete with a seed cooking arrangement which utilize steam or electricity.

The main body and base of the Goyum 20 are made out of high grade quality cast iron. It has a single reduction gear box with spur gears and a fabricated chamber with three sections. Feeding Drum is Single Stage with & without heating arrangement (as required). The worm assembly is case hardened to ensure it withstands heavy loading, which results in a superior quality of oil and cake. The cake thickness cannot be adjusted while the machine is running. This machine is easy to operate and requires little maintenance.

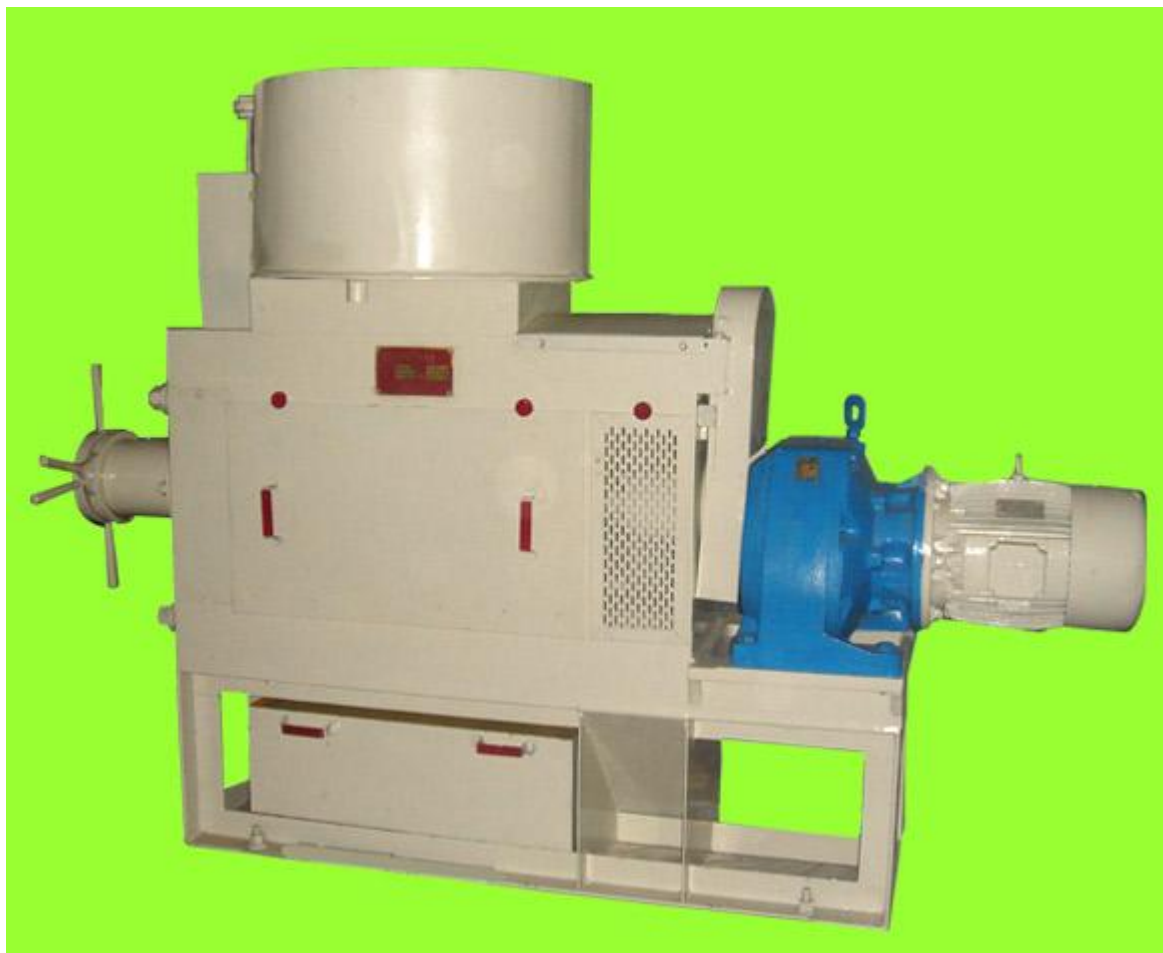
Product Specification

Power Consumption	3-Phase 7.5 HP and Motor-1440 RPM
Chamber Size:	Diameter 4" x 24" Long
High Capacity	2 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2185 mm
Breadth	685 mm
Height	1422 mm

GOYUM 30 MK - I With Electricals



Compact and easy-to-maintain, the Goyum 30 MK-I is made of high quality steel and has a steel casted chamber. The screw is hard faced. It is a belt-less expeller, thus fitted with a 7.5 hp geared electric motor. Thickness of the cake can be adjusted while machine is running. This machine is user- friendly, easy maintenance free and requires less space. Steel casted chamber is hinged for easy maintenance.

The Goyum 30 MK-I is an excellent choice for pilot and small scale applications and includes an integrated cooker that can heat as required using a variety of energy inputs. As with all of our machines, the 30 MK-I can utilize a variety of voltages as specified by the customer and bars are adjustable to accommodate the entire spectrum of oilseeds.

Product Specification

Power Consumption	3-Phase 7.5 HP and Motor-1440 RPM
Chamber Size:	Diameter 4" x 26" Long
High Capacity	3 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2135 mm
Breadth	410 mm
Height	1500 mm

GOYUM 40 With Electricals



The main body and base of the Goyum 40 are made out of steel. It has a double reduction gear box with helical gears of cast steel and a vertically hinged chamber of four sections. Feeding Drum is Single Stage with or without steam heating arrangement (as required). The worm assembly is case hardened with hard faced discharge ring and sliding ring. The main worm shaft can be withdrawn without disturbing the gear box. Cake thickness can be adjusted while machine is running. An easy to use machine which requires very small space and minimum maintenance. Steel casted chamber is hinged for easy maintenance.

The seed cooker and conditioner is included and integrated into the machine design. This is an excellent machine for pilot testing that will provide scalable results to standard commercial scale machines. The Goyum 40 design is based on our very popular Goyum 100 and 150 machines.

2011

Product Specification

Power Consumption	3-Phase 10 HP and Motor-1440 RPM
Chamber Size:	Diameter 5" x 30" Long
High Capacity	4 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	1778mm
Width	610 mm
Height	1650 mm

GOYUM 60 With Electricals



Designed for high productivity and heavy-duty performance, the technically advanced Goyum 60 provides effective and economical solutions to agro-industries for oil extraction. The main body and base are made out of high grade quality cast iron to provide long life and stability. It has a double reduction gear box with steel casted helical gears and a quill worm separate drive. The Feeding Drum is Single Stage Cooker. The steel fabricated chambers are horizontally hinged. The screw is case hardened to ensure it withstands heavy wear and tear, which results in a superior quality of oil and cake. The Goyum 60 is a time proven design that provides excellent value.

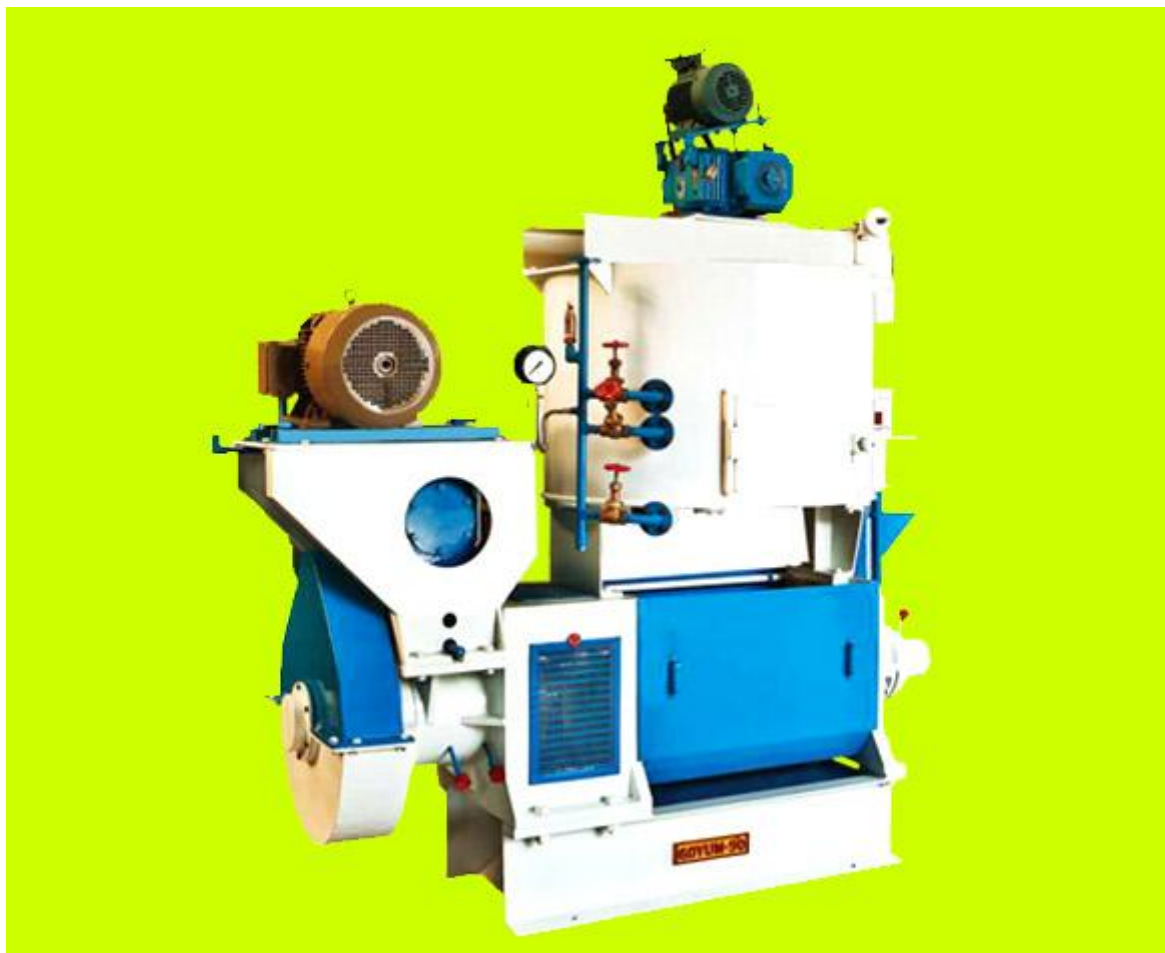
Product Specification

Power Consumption	3-Phase 20 HP and Motor-1440 RPM
Chamber Size:	Diameter 5.1/2" x 30" Long
High Capacity	5-6 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2900 mm
Breadth	910 mm
Height	2150 mm

GOYUM 90 With Electricals



The bodies and base of the Goyum 90 are made of steel. It has a double reduction gear box with bevel - helical gear setting. Steel Casting Chamber Size is Dia.6"x33" long having three sections is vertically hinged. The worm assembly, discharge ring and cone point is case hardened. The main worm shaft can be withdrawn without disturbing the gearbox. Crammer worm is fitted for extra cramming of seed or cake in the Feed Body. Cake thickness can be adjusted after stopping the machine. An easy to use machine which requires less space and minimum maintenance. Kettle Drive is separate, provided with gearbox.

Product Specification

Power Consumption	3 - Phase 25 HP and Motor-1440 RPM (Expeller) 3 - Phase 3 HP and Motor-1440 RPM (Kettle)
Feeding Drum:	2 High steam jacket of 42" Diameter for efficient cooking of seed. Pipe fitting contains safety valves, steam spray pipe, pressure gauge, steam stop valves and steam traps.
High Capacity	06 - 08 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2300 mm
Width	1200 mm
Height	2800 mm (including motor for kettle gearbox)

GOYUM 100 With Electricals



The Goyum 100 is a premium all steel machine of contemporary design. The main body and base are made out of high grade quality steel. It has a double reduction gear box with steel casted helical gears and a cast steel chamber with four sections. The size of the vertically hinged chamber is 6 inches diameter x 37 inches long. The worm assembly is case hardened with hard faced discharge ring and sliding ring. The thickness of the cake can be adjusted while the machine is running. The main worm shaft can be withdrawn without disturbing the gear box. The crammer shaft allows for extra cramming of the seed or cake in the feed body. This machine is easy to use and requires very little maintenance. Double jacket kettle with gear box and motor.

Product Specification

Power Consumption	3 - Phase 20 HP and Motor-1440 RPM (Expeller) 3 - Phase 3 HP and Motor-1440 RPM (Kettle)
Feeding Drum:	2 High steam jacket of 42" Diameter for efficient cooking of seed. Pipe fitting contains safety valves, steam spray pipe, pressure gauge, steam stop valves and steam traps.
High Capacity	08 - 10 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2900 mm
Breadth	960 mm
Height	2150 mm

GOYUM 150 (THREE STAGE) With Electricals



The main body and base are made out of high grade quality steel. It has a double reduction gear box with steel casted helical gears. The size of the chamber is 7.5" diameter x diameter 6.5" x 45" Long having four sections is vertically hinged. The worm assembly is case hardened and with hard faced discharge and sliding ring. The thickness of the cake can be adjusted while the machine is running. The main worm shaft can be withdrawn without disturbing the gear box. The crammer shaft allows for extra cramming of the seed or cake in the feed body. This machine is easy to use, requires little maintenance and includes an integrated three stage cooker.

Product Specification

Power Consumption	3-Phase 30 HP and 1440 RPM Motor (Expeller) 3-Phase 5 HP and 1440 RPM Motor (Kettle)
Feeding drum	3 high-steam jackets of 48" diameter for efficient cooking of seed. Pipe fitting contains all safety valve, steam spray pipe, pressure gauge, steam valves and steam traps.
High Capacity	15 - 18 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2640 mm
Breadth	1396 mm
Height	3454 mm

GOYUM 150 (FOUR STAGE) With Electricals



The main body and base are made out of high grade quality steel. It has a double reduction gear box with steel casted helical gears. The size of the chamber is 7.5" diameter x diameter 6.5" x 45" Long having four sections is vertically hinged. The worm assembly is case hardened and with hard faced discharge and sliding ring. The thickness of the cake can be adjusted while the machine is running. The main worm shaft can be withdrawn without disturbing the gear box. The crammer shaft allows for extra cramming of the seed or cake in the feed body. This machine requires little maintenance and includes an integrated four stage cooker. This expeller is very suitable for seeds like Soya bean which requires extra time for cooking.

Product Specification

Power Consumption	3-Phase 30 HP and 1440 RPM Motor (Expeller) 3-Phase 7.5 HP and 1440 RPM Motor (Kettle)
Feeding drum	4 high-steam jackets of 48" diameter for efficient cooking of seed. Pipe fitting contains all safety valve, steam spray pipe, pressure gauge, steam valves and steam traps.
High Capacity	15 - 18 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2640 mm
Breadth	1396 mm
Height	3700 mm

GOYUM MK-IV With Electricals



The Goyum MK-IV is designed to provide a cost-effective solution for industrial production of oil. This machine is made of premium quality materials to ensure long life and ease-of-operations. It has a steel fabricated base and a double reduction gear box with a cast iron body and steel fabricated gear. The chamber is assembled from plate and frames of the following sizes: 7 inches diameter x 44 inches long. The worm assembly and cone point is case hardened, which results in a superior quality of oil and cake. The main worm shaft can be withdrawn without disturbing the gear box. The crammer shaft allows for extra cramming of the seed or cake in the feed body.

Product Specification

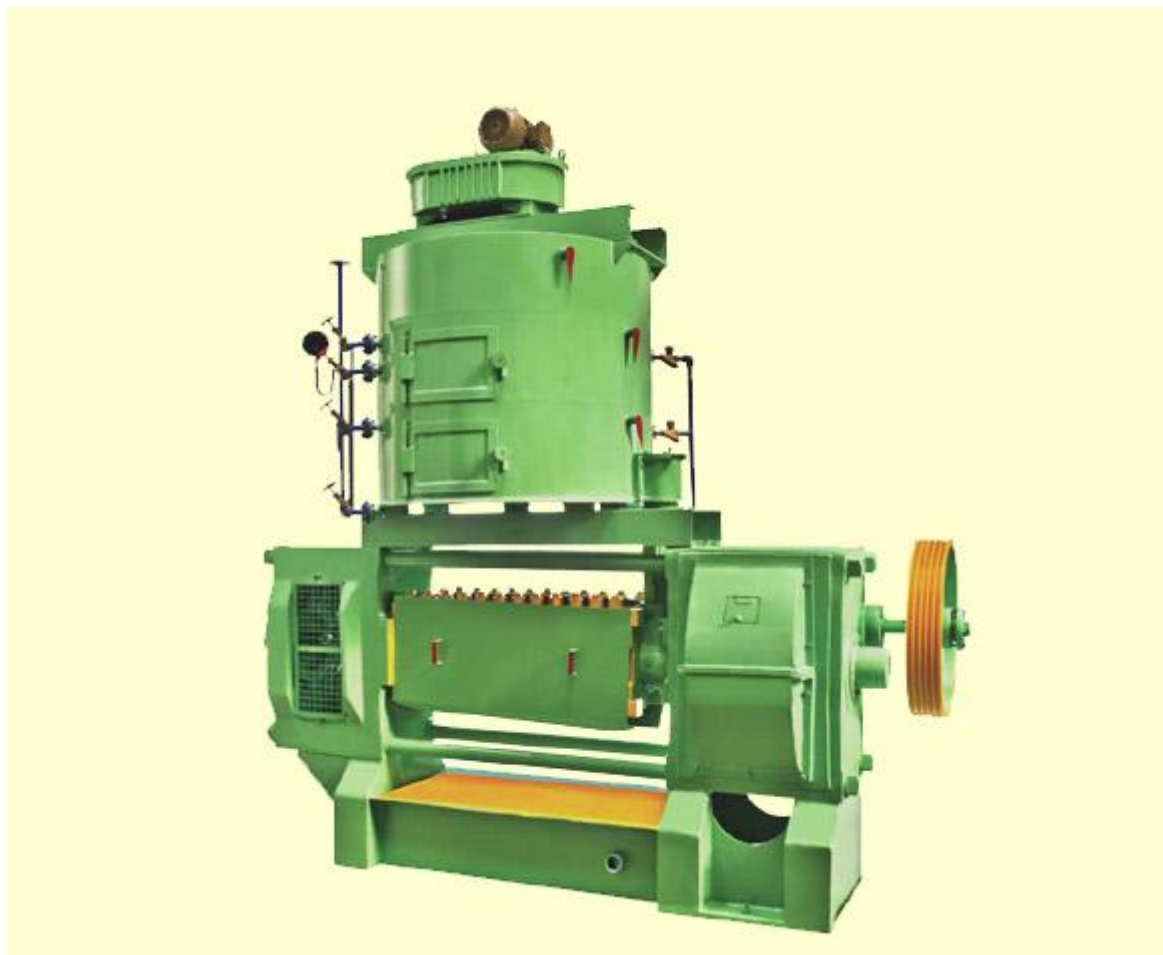
Power Consumption	3-Phase 40 HP and Motor-960 RPM
Feeding drum	3 High steam jacket of 48" diameter for efficient cooking of seed. Pipe fitting contains all required accessories.
High Capacity	15 -18 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	2640 mm
Breadth	1930 mm
Height	2743 mm

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GOYUM V-C With Electricals



The base is made of steel. It has a double reduction gear box with mild steel fabricated gears. The main worm shaft can be withdrawn without disturbing the gear box. The crammer shaft allows for extra cramming of the seed or cake in the feed body. The thickness of the cake can be adjusted while the machine is running. The chamber is made from mild steel plates and size is diameter 8" x diameter 7" x 44" Long. It is integrated with 3 stage cooker. This machine is easy to use and requires little maintenance.

Product Specification

Power Consumption	3-Phase 40 HP and Motor- 1440 RPM (Expeller) 3-Phase 5 HP and Motor- 1440 RPM (Kettle)
Feeding drum	3 high-steam jackets of 48" diameter for efficient cooking of seed. Pipe fitting contains all safety valve, steam spray pipe, pressure gauge, steam valves and steam traps.
High Capacity	20-25 Tonnes per 24 hours (capacity differs with material density and quantity of oil in it)

Overall Machine Dimensions (Approx.)

Length	3550 mm
Breadth	1300 mm
Height	3600 mm

GOYUM 600 WITH KETTLE With Electricals



Having a crushing capacity of **50 to 60 Tonnes per 24 hours in pre-pressing and 30 Tonnes in single and final crushing (capacity differs with material density and quantity of oil)**, the Goyum 600 has a simple and symmetrical shape.

The main body and base of the Goyum 600 are fabricated from mild steel. It has a triple reduction gear box with steel casted helical gears and pinion shafts of special steel. The gearbox is aligned with all the bodies on a single fabricated base. It has two vertically hinged cast steel chambers, each is 36" long. The worm assembly, discharge ring and compression ring are all hard faced. The cake thickness can be adjusted while the machine is running. The main worm shaft can be withdrawn without disturbing the gear box. The shaft is water cooled. The crammer shaft allows for extra cramming of the seed or cake in the feed body and is completely supported on bearings.

Power Consumption

3-Phase 100 HP Motor-1440 RPM
(Expeller)

Expeller Dimensions

Length	3900 mm
Breadth	1100 mm
Height	1680 mm

Machine Weight

Expeller	9.5 Tonnes
Structure	1.5 Tonnes

GOYUM 600 COOKER / KETTLE



Product Specification

Power Consumption	3-Phase 20 HP Motor-1440 RPM (Kettle)
Feeding drum	4 high-steam jackets of 66" diameter for efficient cooking of seed. Pipe fitting contains safety valve, steam spray pipes, pressure gauge, steam valves and steam traps. Exhaust fan is also provided to extract excess steam or moisture from cooking chambers. Kettle is supported separately on a fabricated structure.

Kettle Dimensions

Length	2134 mm
Breadth	2134 mm
Height	3480 mm
Kettle	3.5 Tonnes

GOYUM 1500 WITH KETTLE With Electricals



The Goyum 1500 can process **140 to 150 Tonnes per 24 hours in pre-pressing and 50 to 60 Tonnes in single and final crushing** for oilseeds containing 30 percent or more oil as **capacity differs with material density and quantity of oil in the seed.**

This model has been designed with a simple and symmetrical shape. It has a triple reduction gear box with helical gears of cast steel and pinion shafts of special steel. The gearbox is aligned with all the bodies on a single fabricated base. There are three chambers of cast steel, vertically hinged, each 36 inches long. Cake thickness can be adjusted on a running machine. Worm assembly, discharge ring, compression ring are all hard faced 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 in the feed body is completely supported on bearings.

Power Consumption

3-Phase 170 HP and Motor-1440 RPM (Expeller)

Expeller Dimensions

Length	5500 mm
Breadth	1380 mm
Height	1980 mm

Machine Weight

Expeller	15 Tonnes
Structure	1.5 Tonnes

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GOYUM 1500 COOKER / KETTLE



Product Specification

Power Consumption	3-Phase 25 HP and Motor-1440 RPM (Kettle)
Kettle	5 Stage – 66" diameter. Steam jackets for efficient cooking of seed. Pipe fitting contains safety valve, steam spray pipes, pressure gauges, steam stop valves, steam traps. Exhaust fan is also provided to extract excess steam or moisture from cooking chambers. Kettle is supported separately on a fabricated structure.

Kettle Dimensions

Length	2134 mm
Breadth	2134 mm
Height	3810 mm
Kettle	6 Tonnes

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Oil Filtration Machinery

Filter Presses are used for all kinds of filtration, clarification of liquids and collection of precipitates or solids. Selected material, skilled labour, proper inspection and supervision ensure carefree operation and long life for these Filters. Small air vessel with pressure gauge and Safety Valve is also given. Available in different sizes and with varied capacities, we can also provide filter press in custom specifications. Please contact us for further information on machines to fit your specific needs.

FILTER PRESS WITH PUMP AND FILTER PRESS WITH FRAMES



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TECHNICAL DATA OF FILTER PRESSES

Size	Wt. of Filter Press (kgs.)	Filtration Area [Sq. Mtrs]	Capacity* [Litres/Day]	HP	No. of Piston	Size of Plunger Pump	
36" x 36" x 36 Plates	8000	30	40,000	7.5	Double	80mm	
30" x 30" x 30 Plates x 29 Frames	5,500	18	25,000	7.5	Double	80mm	
30" x 30" x 30 Plates	4,400	18	25,000	5	Single	80mm	
24" x 24" x 24 Plates x 23 Frames	3,000	10	10,000	5	Double	60mm	
24" x 24" x 30 Plates	2,750	15	12,500	5	Double	60mm	
24" x 24" x 24 Plates	2,350	10	10,000	3	Single	60mm	
18" x 18" x 18 Plates	1,100	4	5,000	2	Single	40 mm	
14" x 14" x 14 Plates	650	2	3,500	2	Single	40mm	
12" x 12" x 12 Plates	380	1.5	2,500	1	Single	30mm	

Common RPM of Plunger Pumps = 40 To 45

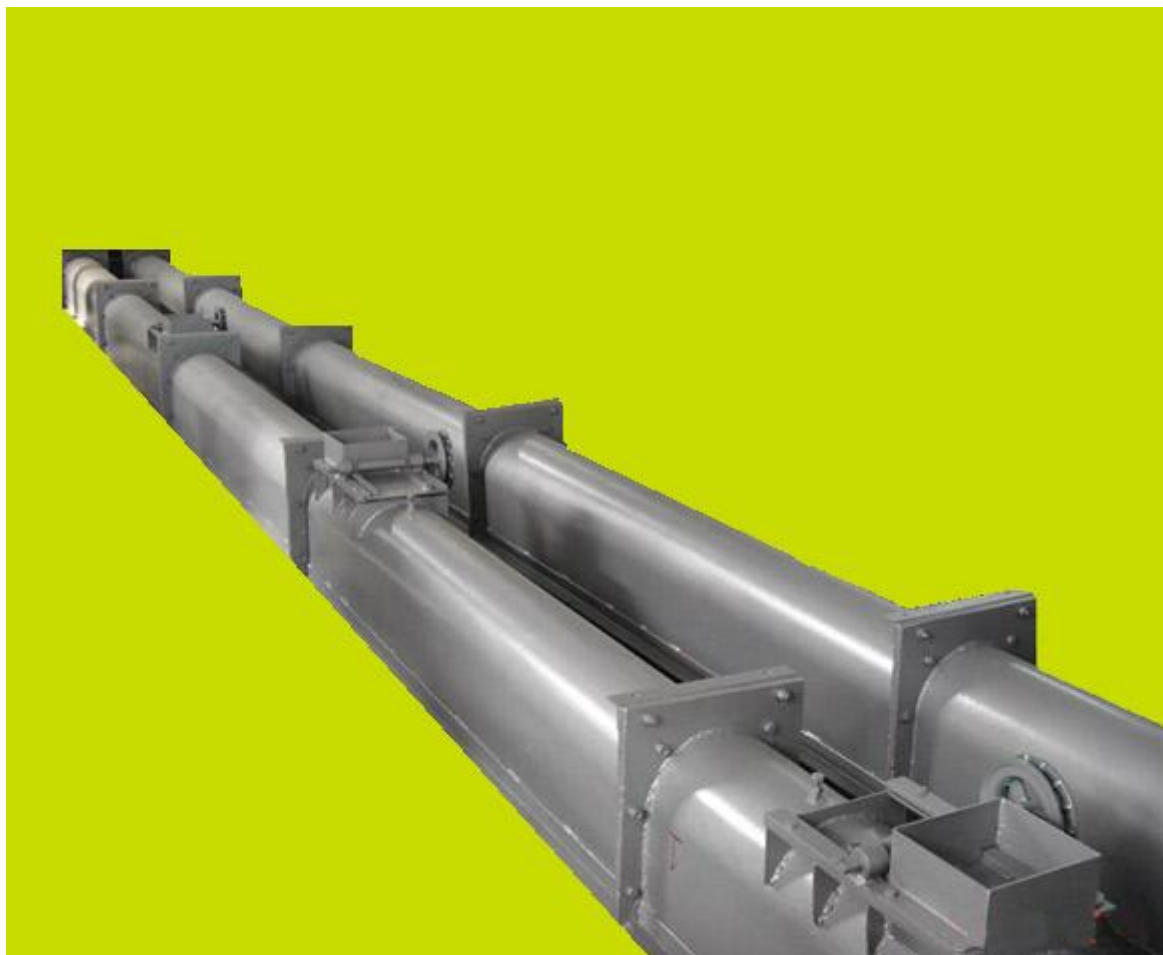
Size	Wt. of Filter Press (kgs.)	Filtration Area [sq. Mtrs.]	Capacity* [Litres/Day]	HP	RPM of Pump	Type Of Pump	
36" x 36" x 36 Plates x 35 Frames	10000	30	40,000	10	2900	Centrifugal	

*Capacity differs with the quality of the oil to be filtered.

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SCREW CONVEYOR:

It is used for conveying material, to and fro from machine to elevator or vice versa. Fabrication of Trough includes reinforcement with Angles.



Trough	Material - Mild Steel Plate Thickness = 3mm
Screw	Flight Thickness = 4mm Pipe: 40 NB – C Class Mild steel pipe.
Hanger	Fitted with Gun Metal bushes
Conveyor Ends	Fitted with Ball Bearings
Driven by Geared Motor	Gearbox: Output = 70 RPM
Size	9"

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BUCKET ELEVATOR:

To form an interconnecting mechanical handling system to transport material to and from the items of mill equipment. Fabrication of Top Hood, Bottom Boot and Middle Trunks include reinforcement with Angles all over.



Top Hood + Bottom Boot	Mild Steel, 3mm thick
Middle Trunks	Mild Steel, 2mm thick
Chain for Carrying Buckets	Type : Single stranded Pitch : 75mm
Buckets	Mild Steel, Seamless, 1.5mm
Driven by Geared Motor	Gearbox: Output = 70 RPM
Driving Chain Pitch	20mm
Size	15" Breadth x 30" Length x 22 Ft. Height

GOYUM BOILER



- ❖ It Vertical Type Smoke Tube Boiler.
- ❖ Boiler will be supplied complete with Feed Pumps, Burner. Blower, Chimney, Cyclone System, Pipe Fitting, Valves (For Boiler Only), MCB and Starter.

Capacity	Steam Pressure	Final Steam Temperature	Fuel	
100 Kgs / Hr	10.5 Kg / cm ² (150 PSI)	Dry Saturated	Rice Husk, Agro Waste, Diesel Oil	
500 Kgs / Hr	10.5 Kg / cm ² (150 PSI)	Dry Saturated	Rice Husk, Agro Waste, Diesel Oil	
1 Tonne / Hr	10.5 Kg / cm ² (150 PSI)	Dry Saturated	Rice Husk, Agro Waste, Diesel Oil	

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For any further Clarifications / Information, please feel free to contact us at:

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