

LEADERS IN TURNKEY PROJECT MANAGEMENT AND MANUFACTURING SERVICES



LINUS PROJECTS

THE ULTIMATE SOLUTION

BROCHURE 2020

**The Ultimate
and Innovative
Solution for
your Plants**

We Linus Projects is a Turnkey project management company we supply plants and machinery for Lube Oil Blending Plant and Grease Manufacturing Plant and various other Industries.

On the other hand, we have got expertise in different plants such as Soap Plant, Cooking Gas Cylinder Mfg. Plant, Barrel Mfg. Plant, Blow Moulding plant, Paint Machinery, etc.

We have supplied Plants and Machinery around globe such as Africa, Asia, Caribbean, Central America, Europe, North America, etc.

We believe in best pricing and top most quality of machinery which is reliable to fulfill your need.

www.linusprojects.com

LUBRICATING OIL PLANT

Linus projects offer complete Lube Oil Blending Plant on Turnkey basis including front end engineering, back end engineering and EPC contract.

We offer plant production capacities from 10 MT/Day up to 500MT/Day completely customized as per client requirements, we also offer both semi-automatic and fully automatic Lube Oil Blending Plant.

We also offer advance technology in lube plant which is Simultaneous metered blending, SCADA control plant, Cloud remote controlled plant.



GREASE MANUFACTURING PLANT

Linus Projects offer complete Grease Manufacturing Plant on Turnkey basis including front end engineering, Back end engineering and EPC contract.

We offer plant for wide range of greases such as Lithium, Lithium complex, Calcium, Soda, Aluminum complex, Polyurea, Synthetic and specialty greases.

Our dedicated team of engineers works closely with our customers to ensure that the entire process of setting up the plant is made simple.





BRAKE FLUID PLANT

Linus projects offer complete brake fluid plant on Turnkey basis including front end engineering, Back end engineering and EPC contract.

Our plant is design 100% hygroscopic for quality brake fluid production.

Brake fluid produced in our plant is 99% moisture free.



TRANSFORMER OIL PLANT

Linus Projects offer complete transformer oil manufacturing plant on Turnkey basis including front end engineering, Back end engineering and EPC solution

The plant will be designed to produce transformer oil from the Base oil H 70 to achieve the specifications as per BIS 335, 1993.

The Transformer Oil Filtration & Degasification Plant will be suitable for processing of Base Oil H70 to achieve the specifications as per BIS 335, 1993.

The plant mainly consists of following

1. Filtration & vacuum degasification unit
2. Absorbent Columns
3. Storage Tank for Base Stock H 70
4. Homogenization tank

The Base Oil H 70 mixed with additive, at 65°C, will be used as the input and passed through fine cartridge filter where the particles up to one micron will be filtered.



COOKING GAS (LPG) CYLINDER MFG. PLANT

Linus projects offer complete Cooking gas (LPG) cylinder manufacturing plant on Turnkey basis including front end engineering, Back end engineering and EPC contract.

Process of Manufacture:

The LPG cylinders are manufactured as per the BIS specification number 4093-1967 with necessary amendment.

To manufacture LPG cylinders first sheet is cut to size on cutting machine to make blanks. These blanks are now deep drawn on deep drawing power press to two halves of the cylinder.

Other parts such as foot ring, backing strip, top ring and turned components are manufactured separately. Now both the halves are joined with a backing strip prior to their welding. After welding complete cylinder undergo stress relieving normalizing process in suitable heat treatment furnaces. After stress relieving sand blasting is done.



BLOW MOULDING AND INJECTION MOULDING PLANT



Linus projects offer complete Blow moulding and Injection moulding plant on Turnkey basis including front end engineering, Back end engineering and EPC contract.

Our blow molding machine work on principle of blowing thermoplastic embryo that makes it cling to cooling surface of

closed mould. Blown embryos will solidify and formed plastic blow molding products finally.

Our injection molding machine works on principle in which the Molten thermoplastic is injected into a mould inside the machine and a high pressure is applied on the molten thermoplastic in the moulding machine so that the desired Plastic shape is obtained inside the mould. Once the desired shape is achieved it is leave for cooling process. Once cooled, it is taken out from the injection molding machine.

BOILER

Linus Projects is a professionally managed, fast growing, multi-faceted engineering company which started its operations with specialization in the fields of designing and manufacturing of Fired Heaters like Steam Boilers, Thermic Fluid Heaters, Pressurized & Non pressurized Hot Water Generators, Direct & Indirect fired Hot Air Generators and Unique design electric electrode type Steam Generators with a view to serve small & medium scale industry.



It has now diversified and added many more environment friendly & highly efficient products in its range which are helping the industries to achieve higher productivity with improved profitability. We provide single point solutions & complete turnkey projects to meet the customer's needs in a diverse range of industries.

The products Divisions now include

- Industrial Process Heating through, Steam, Thermic Oil, Hot Water, Hot air
- Food Processing Machinery
- Dal & Rice Mill Driers
- Air Pollution Control Equipment's
- Chemical Process Machineries
- General Fabrication –Chimneys/Tanks/Calorifiers/Autoclaves

DEAERATOR



A Deaerator is a device that removes dissolved gases from semi-liquids, liquids. Deaerators are commonly used to remove oxygen, trapped air bubbles & dissolved gases in grease & jelly product. Trapped air bubbles & gases in grease will cause serious damage in quality & life of grease.

WORKING PRINCIPAL

During operation, the chamber is under high vacuum and the disc is rotating. Drawn in by the vacuum, the aerated material passes through the feed assembly and the Spreader Ring creates a thin film of material on the disc's interior surface. The rotation of the Disc centrifuges the thin film of material across its interior surface while the vacuum draws off the entrapped air or gas. The de-aerated material is pumped up the Scoop Tube assembly from within inside edge of the Disc and leaves the chamber. The air (or gas) removed from the material exits the system through the vacuum pumps discharge or exhaust. The Chamber does not fill the material stays within the Disc.



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LUBRICANT BLENDER

Linus Projects manufacture top quality and well design lubricant blender to blend high quality viscous liquid, base oil with additives, engine oil, Gear oil and industrial oil etc. Blender consists of vertical shape mixing vessel along-with drive system and agitator.

Reliability and consistency in quality are the cornerstones of our business. We help our customers keep their promises by providing premium service and top-quality blender worldwide.

Blender capacity fabricated out of Mild Steel IS 2062 material having open top and partial dished bottom. The blender is provided with a top Lid which is hinged to the main blender. A ball valve is fitted at the bottom for discharge along with a sample valve. An MS Jacket is welded around the main blender complete with inlet, outlet, drain & vent fittings. The blender is mounted on load cell for automation and PLC operation. The vessels are provided with temp probe with all necessary fittings.



GREASE KETTLE

Linus Projects manufacture top quality and well design Grease kettle. Kettle designed & fabricated on Tailor made basis to suit individual customer's specifications. Kettles can be designed to work either at Atmospheric type or pressurized type.

Supplied with wall jacketed or Limpet Coil for efficient Heat Transfer to suit customers need and preference. Proven design and robust construction ensure cost effectiveness, low maintenance and dependable systems. This results in rapidly growing customer base of grease manufacturers in India and abroad.

Reliability and consistency in quality are the cornerstones of our business. We help our customers keep their promises by providing premium service and top-quality Grease kettle worldwide.

The Kettle is fabricated out of graded quality Carbon steel and fitted with a cooling jacket for complete with Inlet, outlet and drain fittings. Temp gauges are provided on the Kettle for monitoring the temp of the grease at different stages of the manufacturing process.





FILLING MACHINE

Linus projects is one of the leading Indian manufacturer of filling machine for Lube oil and Grease industry. We manufacture different types of filling machine like automatic filling machine, mechanical filling machine, volumetric filling machine, weigh metric filling machine, gravity filling machine, capping machine, induction sealing machine, etc.



Our products included semi-automatic bench model/ floor model and load cell-based filling machine offering versatile filling range from 250 ml to 5 litres and 2 litres to 25 litres as well as from 200 gms to 20 Kgs.

We manufacture PLC based filling lines and have been successfully supplying versatile filling ranges from 250 ml to 5 litres and 5 to 20 litres without change parts to Edible Oil, Dairy, Pesticides and Lubricants Industry.



PAINT SHAKER

We are one of the leading manufacturer of Gyroscopic (Paint) Shaker Machines required for Tinting system of paints.

We have been manufacturing and supplying the Gyroscopic Shaker machine to most of the leading paint manufacturers all over India. The performance report of the machines are very fine. Maintenance and Operation point of view it is very easy to handle machine.

We have three basic model:

- 1) Manual paint mixer
- 2) Semi-automatic gyro shaker
- 3) Automatic gyro shaker.

Features:

- High operational fluency
- Low maintenance
- Low power consumption
- Ease to operate





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OUR GOALS:

- CUSTOMER SERVICE
- TEAM MANAGEMENT
- PROJECT MANAGEMENT
- CUSTOMER SATISFACTION



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