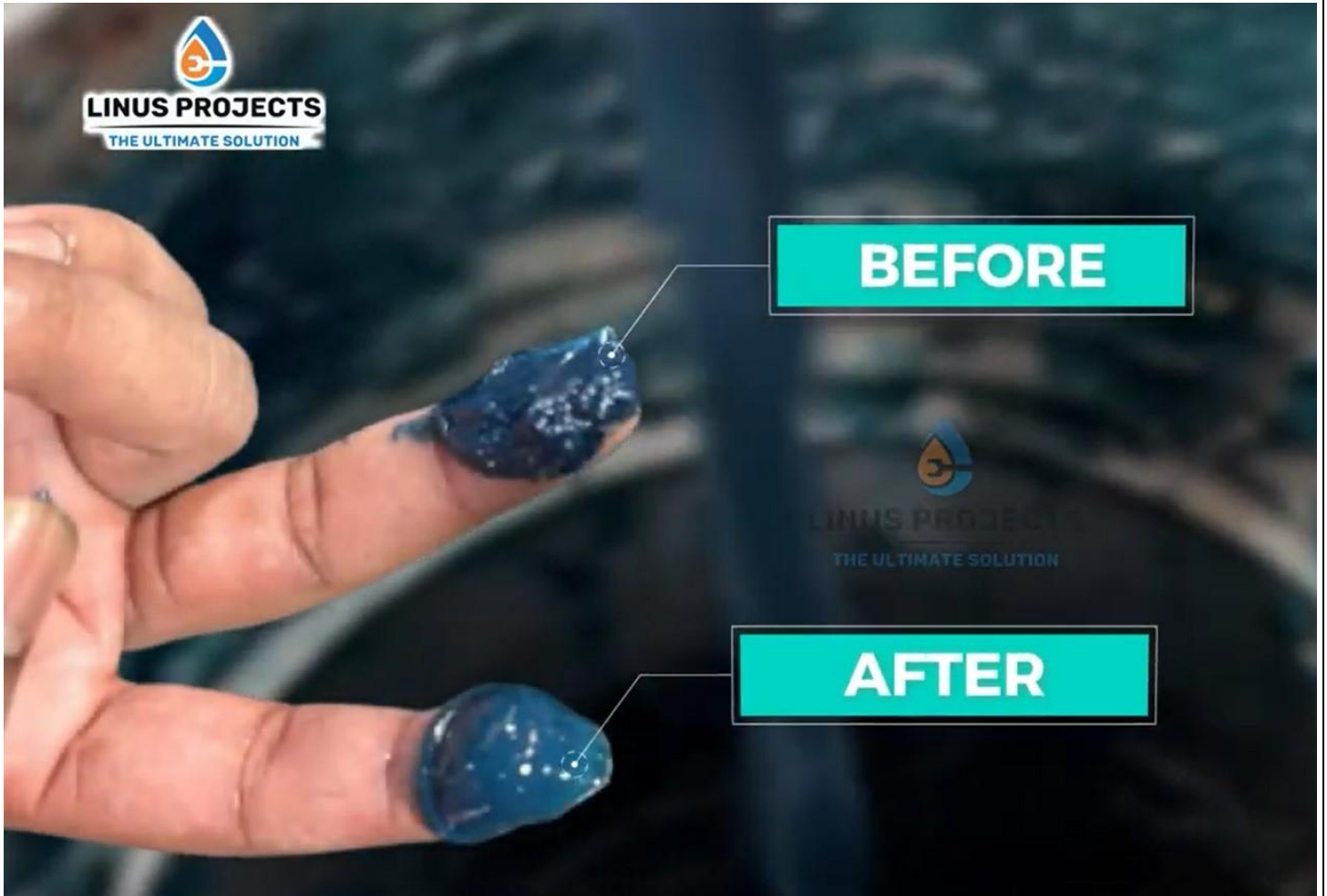


Grease Homogenizer Manufacturer



A grease homogenizer is a specialized industrial machine used in the production and processing of grease to ensure uniform texture, consistent quality, and stable emulsification of its components. Grease, being a mixture of oils, thickeners, and various additives, requires precise blending to achieve the desired consistency and performance properties. The homogenizer accomplishes this through high-shear forces that break down particles and disperse them evenly throughout the mixture. This process is critical for creating a uniform structure in the grease, which is essential for its lubrication properties, thermal stability, and resistance to water and oxidation.

Key Features:

- **Efficient Mixing & Blending:** Our homogenizers are equipped with high-shear technology, ensuring even distribution of additives and ingredients for uniform grease composition.
- **High-Performance Design:** Built with durable materials and precision engineering, the homogenizers handle high viscosity materials effortlessly, maintaining consistent quality.
- **Customizable Capacities:** Available in a variety of capacities, our grease homogenizers cater to both small-scale and large-scale production requirements, ensuring flexibility in your production process.
- **User-Friendly Operation:** The grease homogenizers feature intuitive controls, easy maintenance, and safety measures that enhance operational efficiency.
- **Energy-Efficient:** Designed with energy-saving components, our homogenizers help reduce operational costs without compromising on performance.

GREASE HOMOGENIZER

Grease homogenizers improve the mechanical stability of the grease to achieving uniformity, ensuring that it retains its structure under pressure and high temperatures. They also enhance the dispersion of additives, such as anti-wear agents and rust inhibitors, making the grease more effective in protecting machinery and components. The homogenization process can significantly reduce production time and increase efficiency, particularly in large-scale industrial applications, where consistency and quality control are paramount.

Moreover, modern grease homogenizers are designed to handle a variety of viscosities and can be customized to meet the specific requirements of different production scales. This flexibility makes them ideal for industries ranging from automotive and heavy machinery to chemical processing, where specialized lubricants are essential for equipment longevity and performance. By optimizing the production process, grease homogenizers play a crucial role in ensuring that the final product meets stringent industry standards, reducing the risk of equipment failure and extending the lifespan of lubricated components.

At Linus Projects, we offer advanced grease homogenizers designed to streamline the production of high-quality lubricants. Our grease homogenizers ensure superior blending, emulsification, and consistency, making them ideal for a wide range of industrial applications.

TECHNICAL SPECIFICATION:

INLINE HOMOGEIZER (3 Stage)

- **Motor:** 30 HP / 2880 RPM, 3 Phase, B35, NFLP, Induction Motor, IE2, CG MAKE IN LPI SCOPE.
- **Mechanical Seal:** Double Cartridge (Cooling Required).
- **Make:** Hi-Fab.
- **Thermo Syphon** - 10 Ltrs.
- **MOC** - SS304
- **Working Pressure** – Up to 7Kg/Cm²
- **Temperature** - 150 Degree Celsius.
- **MOC** – Contact SS304 & Non- Contact Part SS304
- **Connection** - (3"X2.5") Flange ANSI 150 End (With MS Base Heavy Duty).
- **Rotor & Stator** - Single Piece (Milling & CNC).
- **Finish** - Matt & Mirror.
- **Jacket Connection** - 1/2" Flange ANSI 150 (Inlet & Outlet).
- **Jacket Pressure** - Max 6 Kg/Cm²
- **Rotor & Stator** - Heavy Duty.

Applications:

Our grease homogenizers are ideal for:

- Lubricant and grease manufacturing.
- Industrial machinery and automotive applications.
- Chemical and petrochemical processing.
- Heavy-duty equipment maintenance.



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