



# Nes India Engineers

Manufacturers & Suppliers of  
Process Equipments & Turnkey Projects

## BLENDERS & MIXERS



Double Cone Blender

Ribbon Blender

Octagonal Blender



Sigma Mixer

Twin Shaft Mixer

Paddle Mixer



## About Us

NES India Engineers established in 2004 is an ISO 9001:2008 certified company. We are a leading manufacturer and supplier of food and pharmaceuticals process equipment. We also under turnkey and APIs to provide end-to-end solutions. Our diverse range of products include reactors, heat Exchanger, storage tanks, powder blenders, screw conveyors, centrifuge machine, dryers and custom-made equipment's. It is located in the industrial development zone of Pune, Maharashtra, India.

Our team is promoted by qualified, experienced, and dedicated engineers who strongly believe in working hard for the company, its customers, and employees to provide state-of-the-art solutions. Our engineers constantly make efforts to update themselves with the latest technological trends to manufacture our products in line with the latest advancements with high-quality standards. We have a huge base of satisfied customers spread across all over India and other neighboring countries like Malaysia and Sri Lanka.

NES India Engineers has a dedicated industrial workshop covering 5500 sq. feet and a dedicated warehouse. Our team consists of more than 50 employees which include the Design, Sales and marketing, Production, Purchase, and Quality team.

# Blenders

Blenders are primarily used to obtain homogeneous mixing of two or more products in powder form. Mixing is one of the most common operation been used in different industries like pharmaceutical, food, chemical, cosmetic, detergent etc. Based on the applications we manufacture different types of blenders.

- **Ribbon Blender**
- **Double Cone Blender**
- **Octagonal Blender**

## Ribbon Blender :

A Ribbon Blender consists of a U-shaped horizontal trough and a double helical ribbon agitator. The agitator's shaft is positioned in the centre of the trough and has welded spokes on which the helical ribbons (also known as spirals) are welded. The inner and outer helical ribbons move the materials in opposite directions and hence uniform mixing is achieved.

**Batch Capacity :** 100 Kg to 2500 Kg

**Material Of Construction :**

SS316, SS304, STD Model, GMP Model



## Double Cone Blenders :

Double Cone Blender is an efficient and versatile machine for mixing of dry powders and granules homogeneously. The maximum homogeneity is obtained between 35% to 70% of the total volume.



**Batch Capacity :** 50 Kg to 1000 Kg

**Material Of Construction :**

SS316, SS304, STD Model, GMP Model

## Octagonal Blenders :

It is a octagonal shaped blender with rectangular center, conical discharge frustum and rectangular top frustum. The right-hand side shaft is connected to a standard gearbox by means of chain and sprockets, which in turn is coupled to an electric motor. The whole drive assembly is covered with guard and VFD panel. It has removable baffles mounted on a rectangular shell.



**Batch Capacity :** 50 Kg to 1000 Kg

**Material Of Construction :**

SS316, SS304, STD Model, GMP Model

# Mixer

Mixer are used to obtain homogeneous mixing of two or more high viscous products. We manufacture heavy duty mixers such as

- **Sigma mixer** • **Twin shaft mixer** • **Paddle mixer**

## Sigma Mixer :

Sigma Mixers are used for mixing, kneading and blending of high viscous materials like adhesives, soaps and detergents, dough, cream, paste, slurries etc. We at NIE provide custom designed mixers including jacket for heating and cooling.



**Batch Capacity :** 10 Kg to 1500 Kg

**Material Of Construction :**

SS316, SS304, STD Model, GMP Model

### Salient Features :

- Available in STD and GMP models
- Tilting arrangement for discharge using hand wheel or hydraulic operated
- Casted 'Z' tangential blades for uniform mixing
- PTFE shaft sealing

## Twin Shaft Mixer :

### Salient Features :

- High mixture homogeneity
- short mixing cycles
- Optimum energy efficiency



**Batch Capacity :** 10 Kg to 1500 Kg

### Material Of Construction :

SS316, SS304, STD Model, GMP Model

## Paddle Mixer :

Paddle Mixers are used to mix or blend a wide range of materials used in food, chemical and pharmaceutical industries to obtain homogenous mixture. Paddle mixers utilize single or dual rotating shafts with bolted paddles to create a kneading and folding over motion inside the U-trough. The paddles moves material from the bottom of the trough, up the middle, and back down the sides to create an homogeneous mixture of materials.



**Batch Capacity :** 100 Kg to 2500 Kg

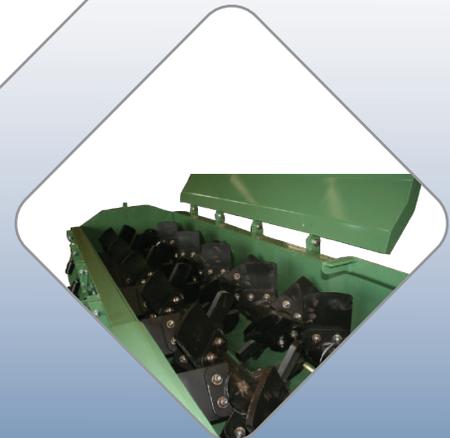
### Material Of Construction :

SS316, SS304, STD Model, GMP Model

# OUR CLIENTS



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