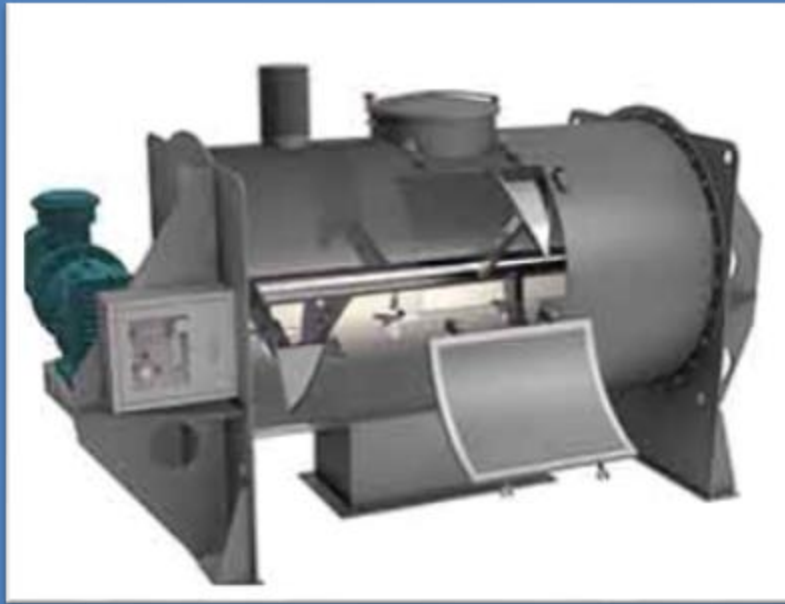


## PLOUGH SHEAR MIXER



## Siddhi Pharma Equipment

Mfg. & Exp. Of Plants & Machineries for Pharmaceuticals,  
Cosmetics, Chemicals food & Beverage Industries

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## Plough Shear Mixer :

**Plough Shear Mixer** (also named ploughshare mixer, plow mixer, plough mixer) consists of a cylindrical drum containing plough shaped mixing elements that are mounted on a horizontal shaft. It creates a mechanical fluidized bed mixing action. The mixing tools project and hurl material away from the wall into free space in a crisscross direction, and inversely back again. The plow separates and lifts the product into three-dimensional motion, while the number and arrangement of the tools insure agitation back and forth along the length of the vessel. When required, the mix action is assisted by high speed chopper devices— independent high-speed motors with customized blades for adding shear to the product mix



## **Silent Features :**

- Petal type chopper, knife type chopper
- Vacuum/Pressure inside mixer
- Heating/Cooling Jacket for mixer
- Spraying Nozzle for liquid
- Various Outlet Valve depend on customer's process requirement
- Heavy-duty drive unit
- Explosion-proof for electricity
- Electrical Control Panel system
- GMP manufacturing
- Teflon Coating for material contact part
- Abrasion resistance treatment
- Other Special Customize Design

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## **Advantageous \ Benefits :**

- High Speed and Homogenous Mixing
- Wide Range of Applications
- Short Mixing Time
- Easy to Clean
- Avoid Agglomeration

## Technical Specification :

Model	Gross Cap in Litres	Working Cap in Litres	Overall Dimension L x W x H	RPM	HP
PSM-1	50	35	1500 x 800 x 1100	20	3
PSM-2	500	350	1800 x 800 x 1300	20	5
PSM-3	1000	700	2500 x 1000 x 1500	20	15
PSM-4	1500	1050	3000 x 1000 x 1500	20	20
PSM-5	2000	1400	3500 x 1200 x 1750	20	20
PSM-6	3000	2100	4000 x 1500 x 2000	20	25
PSM-7	4000	2800	4500 x 1800 x 2000	20	30
PSM-8	5000	3500	4950 x 1800 x 2000	20	30
PSM-9	7500	5250	5450 x 2000 x 2000	20	40
PSM-10	10000	7000	6000 x 2000 x 2000	20	50

**Single Source Provider for all your technical requirements.**

**One of the most important “Siddhi Pharma Equipment” guideline is to be closest to our Customers. We strive to create end-to-end solutions that meet our clients needs and their expectation.**

## Application :

- Pharmaceutical
- Food
- Chemical
- Cosmetics
- Allied Industry