

## Plough Shear Mixer PSM – series



- Adhisakthi manufactures robust plough shear mixers
- Plough shear mixer is used to mix solid and liquid constituents effectively to a homogenous mass leaving away no unmixed lumps
- Main cylindrical shell consists of heavy duty shaft with series of plough kept at equal spacing
- Choppers are mounted at the bottom of the shell in between the plough. Multiple number of choppers are placed depending upon the design of the mixer
- The plough shaft creates up and down circular movement of materials and the choppers with its high speed shear force disintegrate the lumps
- Thorough mixing of materials is accomplished because of the collision and turbulent force created within the mixer
- The mixer finds its application in wide range of industries like personal care, pharma, soaps, and chemical industries
- Discharge door is kept at the bottom which may be operated mechanically or pneumatically.
- Jacketing of the main cylindrical shell with insulation is supplied depending upon the customer requirements
- Material of construction : SS 316L/SS 304/Mild steel
- Shaft ends are gland sealed and mechanically sealed depending upon applications and customer requirements

Model	Working Capacity	Min. Batch Size	Gross Capacity	Motor HP STD	Motor HP Heavy
PSM-50	50 Kgs	30 Kgs	75 Ltrs	3	5
PSM-100	100 Kgs	60 Kgs	150 Ltrs	7.5	10
PSM-250	250 Kgs	150 Kgs	400 Ltrs	15	20
PSM-500	500 Kgs	300 Kgs	800 Ltrs	20	25
PSM-1000	1000 Kgs	600 Kgs	1500 Ltrs	40	50