

# PLOUGH SHEARMIXER

Dust free loading & unloading system



CE

**TAPASYA**

Plough Shear Mixer is designed for heavy duty blending of both Dry and Wet materials. Plough shape shovels mounted on central shaft with its pointed ends are easily penetrable through the dense powder mass in a cylindrical drum or a vessel. Shuffling of the mixture is achieved by broader end of the shovels. Penetration followed by agitation of the mass in quick succession of the specially designed blades results in homogeneity of powder mass both in dry and wet stages. Appropriate dough formation is reached in later process. Centrally mounted chopper will then operate to obtain wet granules of uniform size. Mixed homogeneous mass can be easily discharged from bottom of the mixing drum which is provided with flush fit discharge port.



## SALIENT FEATURES

- Batch size based on 70% of blender volume.
- Cross Contamination is completely eliminated by mounting Bearings on lanterns out of mixing zone Plough Shovels bolted on sockets are easily removable providing easy accessibility to all inside parts of the mixer
- Feeding through a charging port mounted on top of the mixer.
- Inspection Doors with safety interlocks.
- Reduced material handling due to bottom discharge facility of processed materials.
- Choppers provision as an optional feature.
- Fully welded plough shovels can also be provided on request.
- Available size 100 L to 10,000 Ltrs.

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## APPLICATION

Bulk powder mixing in following combinations

DRY / DRY

DRT / MOIST PASTY WET

MOSIT/MOSIT PASTY WET

Dry powder to wet phase mixing for wet granulation

## TECHNICAL SPECIFICATION

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



*Specification and technical data are subject to change without prior notice*



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