



WET MIX MACADAM PLANT (SOIL STABILISATION PLANT)

TECHNICAL SPECIFICATIONS

- ✓ This Wet Mix Macadam Plant (Soil Stabilisation Plant) for Base and Sub Base construction for Roads provides higher productivity with complete control on quality of mix and production costs.
- ✓ These WMM plants are engineered to confront the toughest of job site requirements and the product aims at homogeneous mixing without segregation, precise proportioning and blending of aggregates and additives.
- ✓ The SWM series plants are fully equipped to deliver precisely mixed cold mix, cement treated aggregates base course mixes etc. Quality constructions along with best quality brought out components ensure maximum reliability and uptime.
- ✓ With easy add on optional accessory equipment for precise metering of additives like cement, lime etc and a capacity range from 120-250 TPH our WMM plants offer the best value for money.

WET MIX MACADAM PLANT

MODEL	UNIT	SWM 120	SWM 160	SWM 200
FOUR BIN FEEDER				
Storage Capacity	Tons	48	54	60
Loading Width	mm	2700	2700	3000
Auxiliary Conveyor	mm / h.p.	450 / 2 x 4 nos.	450 / 2 x 4 nos.	500 / 3 x 4 nos.
Gathering Conveyor	mm / h.p.	600 / 7.5	600 / 7.5	600 / 10
Bin Vibrator Motor	h.p.	1.0	1.0	1.0
SINGLE DECK VIB. SCREEN SLINGER CONVEYOR				
	h.p.	1	2	3
	mm / h.p.	600 / 5	600 / 5	600 / 10
PUGMILL MIXER				
Capacity	m ³	1.6	2	2
Paddle Arms	Pairs	11	13	15
Connected Load	h.p.	25	30	40
Gob Hopper	Kgs.	1000	1200	1500
Hyd. Power Pack	h.p.	2	3	3
LOAD OUT CONVEYOR				
	mm / h.p.	600 / 7.5	600 / 7.5	600 / 10
STORAGE SILO (OPTIONAL)				
Capacity	Tons	10	15	15
WATER PUMP				
	h.p.	3	3	3
TOTAL CONNECTED LOAD				
	h.p.	65	67.5	92

Due to continuous product development and upgradation specifications are subject to change.

WET MIX PLANT CONSISTS OF FOLLOWING COMPONENTS

- ✓ Four Bin Feeders for aggregates and sand.
- ✓ Single deck Vibratory Screen for removal of oversize material
- ✓ Collecting conveyor for feeding aggregates and sand to Pug Mill.
- ✓ Pug Mill type mixer unit for homogenous mixing of aggregates, other ingredients and water.
- ✓ Load out conveyor for conveying mixed material from Pug Mill to Storage Silo.
- ✓ Storage Silo with hydraulically actuated gates for storing mixed material.
- ✓ Water pump.
- ✓ Control Panel with printer.
- ✓ Control Cabin.

FOUR BIN FEEDER



✓ The Aggregate Feeder consists of Four Bins. Self relieving bin walls with proper slope ensure constant discharge of aggregate without bridge forming. **Self relieving bottom openings** of the bins with optimum area **avoid interlocking**. One bin meant for sand or dust is fitted with **vibratory motor to ensure the free flow of material**. Each bin is equipped with an adjustable opening door that determines the discharge quantity for the materials capacity in outlet, as a function of specific weight of materials. **Width of each bin is compatible with the width of the loader bucket.**

✓ The material from each bin is drawn out by means of auxiliary conveyor driven by constant speed motor, coupled with reduction gear boxes. The material from the each bin is discharged into gathering belt driven by constant speed A.C. motor. **Electronic load cell is fitted which continuously weighs the total output from the four bin feeder unit.**

SINGLE DECK VIBRATORY SCREEN



✓ Single deck vibratory screen 50 mm is fitted at the end of Gathering conveyor for **removal of oversized material.**

PUG MILL



- ✓ The mixing takes place in this unit. The unit Comprise of Twin shaft counter rotating shaft for continuous and homogenous mixing of aggregates and additives.
- ✓ Extra heavy duty anti friction bearings is provided for smooth functioning of the system.

- ✓ A Wear resistant alloy steel Ni-hard replaceable and adjustable tip for paddle arms are provided for lower maintenance costs.
- ✓ This mixer unit comes with replaceable Corrosion and abrasion resistant special alloy steel liner plates for longer life and easy maintenance.



STORAGE SILO



✓ The mixed material from the pug mill is conveyed by the Load out conveyor and dropped into the storage silo. The silo is provided with hydraulically operated gate to retain processed material to minimized mixed material segregation during the load out cycle and spillage of mix product.

- ✓ This user friendly control Panel is designed for smooth & safe plant operation.
- ✓ The controls are logically laid out for sequential operations and precise process controls. The manual override is also provided for Pug mill for additional safety.

CONTROL PANEL



CONTROL CABIN



✓ The Control Panel is housed inside an **insulated cabin**. The cabin is fabricated from M.S. sheet and is insulated. The cabin has glass windows all around, so that the **operator has full view** on all sides from the cabin for ease of operation and control.