

Merging Technology with Efficiency



Wet Mix Macadam Plant

Available in 120 / 160 / 200 / 250 / 300 / 350 tph



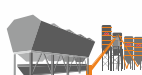
Wet Mix Macadam Plant



Self Loading
Concrete Mixer



Concrete Batching
Mixing Plant (MAC)



Concrete Batching
Mixing Plant (MCP)



Mobile Concrete
Batching Plant (MA)



Concrete Pipe
Making Plant



Kerbing Machine



Truck Mounted
Aerial Platform



Transit Mixer



MACONS is leading construction equipment manufacturing company in India. The group company was started in nineties and since then its members have shaped MACONS with modern techniques and quality processes.

Large number of MACONS' high end, time tested construction equipments are currently operational and efficiently served in thousands of projects in India and abroad. Backed up by cutting edge technology, and a competent sales and service set up, the installation base is ever growing. No surprise, you will find MACONS equipments in almost all prestigious construction projects.

MACONS, through its products give a complete range of solution in the form of construction equipments. Focused on research and development, we continuously expand/upgrade our product range and services.

The Journey so far makes MACONS feel proud and the plans for the future gives it the energy to show the best.

MACONS wet mix plants are manufactured with best of the components and accessories. The unique design features makes it most efficient in terms of operational costs, and ensures close control of the quality of output. Available in fixed or variable speed drives. The plant is well equipped with adjustable gates at its bins. The design of twin shaft pug mill ensures fast, continuous & homogeneous mixing of aggregates & additives. Besides, the surge hopper arrangement allows discharge into trucks without shut down & spillage.

"MACONS" Wet Mix Macadam Plant is an application designed product built as per M.O.S.T. Specifications for achieving homogeneous mix material of WMM / C.T.A.B. / G.S.B. layer to prepare sub base/ base in road projects.



Controls and Automation

The automated control panel provides smooth operation of the different drives and a very precisely control of all processes. A Control panel with necessary controls, Push buttons, meters & electronic display of aggregate tons/hr. and Water in LPM located near to pug mill unit provides additional safety. The control panel cabin is fully weather protected, very familiar to use and its design is suitable for industrial automation.



Pug Mill Unit

The unit incorporates a proven design for fast, continuous and homogeneous mixing of aggregates and additives. The pug mill is designed vibration free with other trouble free function and longer life. The shafts are mounted on additional heavy-duty anti-friction bearings. The paddle arm and tips are made from wear resistant alloy steel resulting longer life. The paddle arm tips are reversible resulting lower maintenance cost. The liner plates are resistant from corrosion and abrasion.

Water Tank & Metering

The water tank has sufficient surge capacity, self-priming pump, control valve and spray bar with water flow meter for precise metering. A cleaning arrangement with flexible piping is also facilitate.



Storage Silo

The 25 MT storage silo is robust and expedient and easy to shift, erect. Hydraulically operated gates open faster resulting quick discharge of mix material into the trucks without any kind of segregation.



Four Bin Feeder

The bins are modular in structure which facilitates addition of bins to meet up the growing needs. The bins are integrated with adjustable gates. The variable or fixed drives can be supplied for the belt feeders. The optional variable speed drives coupled with controls, resulting a higher flexibility and accuracy of smooth operation. For reducing hang up of materials in the corners and bridging with hard sticky aggregates, bin walls and angles permits free flow of aggregates from the feeders.



Load Out Conveyor

Conveyor system consists of rigid frame fabricated from M.S. tubular section, rubber belt, idler & returns rollers placed adequately and arrangement comprising of A.C. motor and gear box.



Filler feeding system for cement treated aggregate base (CTAB)

Storage silo or manual feeding hopper used for cement storage and cement deliver through screw conveyor into collection hopper. Rotary valve driven by AC drive delivers the specified quantity of cement to the pug mill Unit.

Salient Features

- Modern Wet Mix Technology
- Designed For Domestic / International Market
- Modular Design For Containerized Transport
- Portable or Stationery Easy to Operate
- Highly Accurate Aggregate Feeders
- Fully Automatic Computerised Control Panel Board
- Electronic Weighment System with Load Cell
- An Electronic Water Flow Meter with Sensor Unit
- A Mono-block Water Pump

Optional Features

- Vibrating Screen 1.1 m³
- Water Tank 10,000 / 15,000 Lit Capacity
- C.T.A.B. System
- Storage Silo with Load Out Conveyor
- Printout System

Technical Specifications

Description	Unit	MWMP 120	MWMP 160	MWMP 200	MWMP 250	MWMP 300	MWMP 350
Output Capacity	TPH	120	160	200	250	300	350
Four Bin Feeder							
Capacity	m ³	30	30	30	45	45	48
Loading Width	mt	3.2	3.2	3.2	3.7	3.7	3.7
Auxiliary Conveyor	mm/hp	500/2	500/2	500/2	500/3	500/3	500/3
Main Conveyor	mm/hp	600/5	600/5	600/5	750/7.5	800/7.5	900/10
Vibrator for fine Aggregate Bin	hp	0.25	0.25	0.25	0.25	0.25	0.25
Connected Load	hp	13.25	13.25	13.25	19.75	19.75	22.25
Charging Conveyor	mm/hp	600/5	600/5	600/5	750/7.5	800/7.5	900/10
Pugmill (Mixture)							
Capacity	m ³	1.66	2.00	2.75	2.75	3.00	3.25
No. of Arms Pair	Pair	8(16)	8(16)	22(44)	22(44)	22(44)	22(44)
Pugmill connected load	hp	25	30	40	50	60	60
Water Pump	hp	3	3	3	3	5	5
Hydraulic power pack for gob hopper	hp	2	2	2	2	2	2
Gob hopper without load out conveyor	Ton	1	1*	1*	1*	1*	1*
Gob hopper with load out conveyor	Ton	1	1*	1*	1*	1*	1*
Load out belt Conveyor	mm	600	600	800	800	900	900
Connected Load	hp	7.5	7.5	7.5	7.5	10	10
Storage Silo	mt	25*	25	25	25	25	25
Hyd. Power Pack for storage silo	hp	5	5	5	5	5	5
Load out Conveyor	mm	600	800	800	800	900	900
Connected Load	hp	10	15	15	15	20	20
Total Connected Load	hp	61.25	71.25	81.25	100.25	117.25	122.25
Optional Accessories (vibrating screen)							
Screening Area	m ³	1.1	1.1	1.1	1.1	1.1	1.1
Connected Load	HP	3	3	3	3	3	3
Water Tank	Ltr	10000	15000	15000	18000	20000	20000

*Design and specification are subject to change without prior notice.

