

MAXMECH



AN ISO 9001 : 2008 CERTIFIED COMPANY



Concrete Batching / Mixing Plant

Of Higher Capacities : 66, 90 & 120 m³/hr

Quality Concrete with solid & precise technology

MAXMECH Concrete Batching / Mixing Plant



66 m³ / hr. Plant with Skip & Inline Silo



90 m³ / hr. Plant with Belt Conveyor & Inline Silo

APPLICATION :

'MAXMECH' Concrete Batching / Mixing Plant is most versatile and efficient plant used globally. This plant is generally used for projects of Airport, Metro Rail, Concrete Road, Dam, Canal, Ready Mix Concrete Plant (RMC), Pre-cast application, Multi-storey & Industrial Building etc.

DESCRIPTION :

'MAXMECH' has various configurations in higher range of Concrete Batching / Mixing Plant.

For 66 & 90 m³/hr Plant, MAXMECH has both skip & inline silo with belt conveyor version & for 120 m³/hr inline silo with belt conveyor stationary horizontal batching mixing plants are available.

Generally 'MAXMECH' plant is equipped with Twin Shaft Mixer (BHS make), which produce the quality mix within shortest mixing time. The intensity of mixing is very high and this mixer can tackle big size of aggregates. The mixer is lined inside by very high resistance Ni-hard tiles & has long life sealing of mixer shafts & robust drive unit.

Alternatively 'MAXMECH' also provides planetary pan mixer for 66 & 90 m³/hr Cap. Plants for special purpose.

SALIENT FEATURES :

- High production rates ranging from 60 to 120 m³/hr.
- 'BHS' make Twin Shaft Mixer for better mix.
- High quality concrete production.
- Easy installation.
- 'WAM' make cement / fly ash screw conveyor & electric vibrators for sand & cement.
- USB based removable storage is possible.
- 'SCHNEIDER' make PLC for better accuracy.
- PC of Core 2 Duo processor with online printout system incorporated with SCADA software.
- Control panel housed in a separate fully insulated sandwich panel type cabin with table, light, laminates, rubber flooring, interiors & provision of air conditioner.

OPTIONAL ACCESSORIES :

- Moisture Probe System (In Sand bin & Mixer).
- Silo Accessories like; Dust collector, level indicator, fluidization pad, pressure relief valve etc.
- Blower system for cement / fly ash loading in silo.



Inline Silo for Aggregate Storage



Control Panel & PC with Core 2 Duo Processor & Online Printout System with SCADA Software



Machine Graphic Overview on LCD



Cement & Water Weighing with Mixer Module



Spiral Mixing Technology

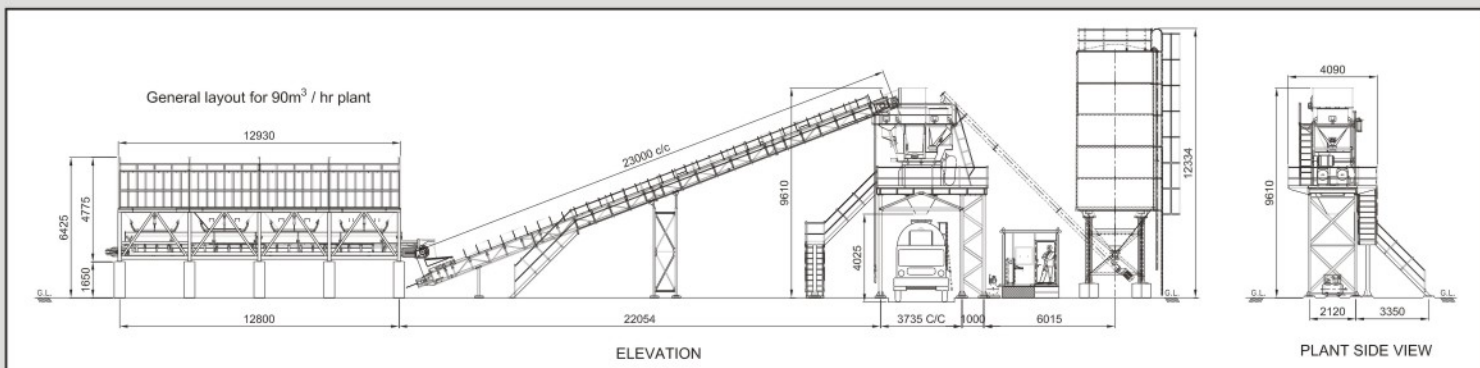
Planetary Pan Mixer



Front view of 90m³/hr Plant



BHS Make Twin Shaft Mixer



Technical Data of MAXMECH Compact Concrete Batching / Mixing Plant Model MCP

Technical Data	MCP -66 (Square Compartment)	MCP -66 (Inline Silo Type)	MCP - 90	MCP - 120
TWINSHAFT MIXER				
• Batch Size	1.25 m ³ /hr.	1.25 m ³ /hr.	1.67 m ³ /hr.	2.5 m ³ /hr.
• Connected Load	60 H.P.	60 H.P.	75 H.P.	2 X 50 H.P.
• Compacted output	66 m ³ /hr.	66 m ³ /hr.	90 m ³ /hr.	120 m ³ /hr.
• Maximum Aggregate Size	65 mm	65 mm	65 mm	65 mm
• Number of Batches/hr.	53	53	60 for 1.5m ³ batch 54 for 1.67m ³ batch	48
PLANETARY PAN MIXER				
• Batch Size	1 m ³ /hr.	1 m ³ /hr.		
• Connected Load	50 H.P.	50 H.P.		
• Compacted output	60 m ³ /hr.	60 m ³ /hr.		
• Maximum Aggregate Size	50mm	50mm		
• Number of Batches/hr.	60	60		
FEEDING OF AGGREGATE	Feeder Skip	Feeder Skip or Feeder Belt Conveyor	Feeder Skip or Feeder Belt Conveyor	Feeder Belt Conveyor
AGGREGATE COMPARTMENT BATCHER				
• Square Compartment	4 Nos.	Inline Silo Type	Inline Silo Type	Inline Silo Type
• Storage Capacity	10 m ³	Inline Silo – 4 Nos.	Inline Silo – 4 Nos.	Inline Silo – 4 Nos.
• Batching Gates	4 Nos.	25 m ³ (Each) 4 Nos.	25 m ³ (Each) 4 Nos.	30 m ³ – (Each) 4 Nos.
• Filling	Filling from (Both Side) By Loader	Filling from (One Side) By Loader	Filling from (One Side) By Loader	Filling from (One Side) By Loader
• Filling Height (With Ramp)	5 mtr.	6 mtr.	6 mtr.	6.5 mtr.
• Filling Width.	3.2 mtr.	3.2mtr	3.2mtr.	3.2 mtr.
AGGREGATE IN INLINE SILO				
• No. of Silo		4	4	4
• Storage Capacity (each Silo)		25 m ³ (100m ³ Total)	25 m ³ (100m ³ Total)	30m ³ (120m ³ Total)
• Batching Gate		4	4	4
• Filling (From one side)		By Loader	By Loader	By Loader
• Filling height with ramp		6 mtr.	6 mtr.	6.5 mt.
• Filling width		3.2 mt.	3.2 mt.	3.2 mt.
• Weighing Belt Conveyor		1000 x29600	1000 x29600	1200 x 29600
• Weighing Capacity		3000 kgs.	3000kgs.	6000kgs.
• No. of Load Cell		6 Nos.	6 Nos.	6 Nos.
• Connected Load		25 H.P.	30 H.P.	30 H.P.
AIR COMPRESSURE				
• Type	Piston	Piston	Piston	Piston
• Volume	17.3 CFM	17.3 CFM	17.3 CFM	27.3 CFM
• Pressure (Max)	12 Bar	12 Bar	12 Bar	12 Bar
• Receiver Tank	220 ltr.	220 ltr.	220 ltr.	220 ltr.
• Connected Load	5 H.P.	5 H.P.	5 H.P.	7.5 H.P.
CEMENT WEIGHING SYSTEM				
• Cement screw Conveyor	273 x 11 mt.	273 x 11 mt.	273 x 11mt.	300 x 11 mt.
• Weighing Capacity	750 kgs.	750 kgs.	900 kgs.	1500 kgs.
• No. of Load cell	3 Nos.	3 Nos.	3 Nos.	3 Nos.
• Electrical Vibrator	Provided	Provided	Provided	Provided
• Connected load	20 H.P.	20 H.P.	20 H.P.	30 H.P.
• Size of opening	300 mm	300 mm	300 mm	300 mm
WATER WEIGHING SYSTEM				
• Water feeding pump.	825 LPM	825 LPM	1080 LPM	1400 LPM
• Connected Load	5 H.P.	5 H.P.	7.5 H.P.	10 H.P.
• Weighing Capacity	300	300	450	800
• No. of Load cell	1	1	3	3
• Water Connection	50 mm	50 mm	65 mm	75 mm
GENERAL DATA				
• Area required (With Ramp)				
(a) Square Compartment	55 x 25 = 1375 m ²			
(b) Inline Silo		40 x 40 = 1600 m ²	50 x 40 = 2000 m ²	50 x 40 = 2000 m ²
• Total Height	9.3 mtr.	9.3 mtr.	9.6 mtr.	11 mtr.
• Concrete Discharge Height	4.0 mtr.	4.0 mtr.	4.0 mtr.	4 mtr.
• Operating Voltage	380/440 V	380/440 V	380/440 V	380/440 V
• Connected Load	125 H.P. Approx.	165 H.P. Approx.	180 H.P. Approx.	210 H.P. Approx.

Due to continuous improvement, specifications are subject to change.



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