

*One stop solution for civil and
Road construction machines*



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TERRA MAKE HORIZONTAL STATIONARY CONCRETE BATCHING PLANT

Technical Specification

Model	Terra 0.35	Terra 0.50	Terra 0.75	Terra 1.0	Terra 1.25	Terra 2.0	Terra 3.0
Output capacity	20 M ³ / Hr.	30 M ³ / Hr.	45 M ³ / Hr.	60 M ³ / Hr.	75 M ³ / Hr.	90 M ³ / Hr.	120 M ³ / Hr.
Mixer unit	Turbo pan type mixer/ twin shaft mixer						
Main mixer reduction gear box	Imported planetary reduction gear box						
Main drive/ electrical motor	20 HP	30 HP	40 HP	50 HP	60 HP	50 HPx2 nos	75 HPx2 nos
Material storage unit	2x2 cross bin	In line four bin feeder					
Material storage capacity	20 M ³	30 M ³	40 M ³	60 M ³	60 M ³	90 M ³	100 M ³
Material weighing system	Digital load cell based weighing of material						
Batch feeding system	Through inclined belt conveyor/inclined skip bucket						
Cement feeding system	Through screw conveyor						
Water weighing system	Digital load cell based weighing of water in separate tank						
Ad mixture dozing system	Digital load cell based auto admixture dozing system						
Control panel	Fully automatic PLC based control panel						
Control cabin	Provided						
Concrete discharge height from G.I.	4.0 meter from the ground level						
Total connected power (HP)	52 HP	74 HP	87 HP	120 HP	145 HP	200 HP	275 HP
Suggested DG Set	62 KVA	82 KVA	125 KVA	160 KVA	200 KVA	300 KVA	400 KVA

Optional Accessories

- Computer SCADA system and software
- Cement storage silos
- Fly ash feeding system and storage silos
- Moisture controlling system
- Water chilling plant arrangement



TERRA MAKE COMPACT STATIONARY CONCRETE BATCHING PLANT

TSC SERIES

Technical Specification

Model	TSC 20	TSC 25	TSC 30	TSC 45	TSC 60
Output capacity	20 M ³ / Hr.	25 M ³ / Hr.	30 M ³ / Hr.	45 M ³ / Hr.	60 M ³ / Hr.
Plant assembly	Whole assembly on single chassis				
Mixer type	Turbo pan type mixer/ twin shaft mixer				
Main reduction gear	Imported Planetary gear box				
Main mixer drive	20 HP	25 HP	30 HP	40 HP	50 HP
Material storage system	2 x 2 cross bin feeder				
Material storage capacity	14 M ³	14 M ³	20 M ³	25 M ³	30 M ³
Material weighing system	Digital load cell based weighing system				
Material feeding system	Through inclined belt conveyor				
Cement feeding system	Through inclined screw conveyor				
Water weighing system	Digital load cell based weighing of water in separate tank				
Admixture dozing system	Digital load cell based auto admixture dozing system				
Control panel	Fully automatic PLC based control panel				
Control cabin	Provided				
Concrete discharge height	4.2 meter from ground level				
Total connected power	48 HP	53 HP	63 HP	77 HP	98 HP
Suggested DG Set	62 KVA	62 KVA	82 KVA	100 KVA	125 KVA

Optional Accessories

- Computer SCADA system and software
- Cement storage silos
- Fly ash feeding system and storage silos
- Material feeding conveyor
- Fabricated skid



TERRA MAKE MOBILE CONCRETE BATCHING PLANT

TFP SERIES

Technical Specification

Model	TFP 20	TFP 25	TFP 30	TFP 45
Output capacity	20 M ³ / Hr.	25 M ³ / Hr.	30 M ³ / Hr.	45 M ³ / Hr.
Plant Assembly	Whole plant assembly is on wheel mounted single chassis			
Mixer type	Pan type mixer/ Planetary mixer/ Twin Shaft mixer			
Main mixer drive	20 HP	25 HP	30 HP	40 HP
Material storage system	2 x 2 cross bin feeder			
Material storage capacity	12 M ³	12 M ³	14 M ³	20 M ³
Material weighing system	Digital load cell based weighing of aggregates, cement, water and additive			
Cement feeding system	Through inclined Screw conveyor			
Mobility arrangement	Provided along with tow bar facility			
Control panel	PLC based control panel with internal cabling			
Total connected power	45 HP	50 HP	58 HP	79 HP
Suggested DG Set	50 KVA	62 KVA	82 KVA	100 KVA
Concrete discharge height	2.1 Meter from the ground level			

Optional Accessories

- Scada software with computer
- Fly ash / GGBS feeding system
- Storage silos
- Prefab cabin for control panel



TERRA MAKE MOBILE CONCRETE BATCHING PLANT

TMP SERIES

Technical Specification

Model	TMP 15	TMP 18	TMP 24	TMP 30
Output capacity	15 M ³ / Hr.	18 M ³ / Hr.	24 M ³ / Hr.	30 M ³ /Hr.
Plant assembly	Whole plant assembly on single chassis			
Mixer type	Turbo pan type mixer with spring backed arms			
Material storage capacity	10 M ³	10 M ³	12 M ³	12 M ³
Material weighing system	Digital load cell based weighing of Aggregates, cement, water separately			
Cement feeding system	Through inclined screw conveyor			
Mobility Arrangement	Provided along with tow bar facility			
Total connected power	30 HP	35 HP	40 HP	45 HP
Suggested D.G. set	40 KVA	40 KVA	50 KVA	62 KVA
Concrete discharge height	1 meter from Ground level			

Optional Accessories

- Scada software with computer
- Fly ash / GGBS feeding system
- Storage silos
- Prefab cabin for control panel



TERRA MAKE MOBILE CONCRETE BATCHING PLANT WITH REVERSIBLE DRUM TYPE MIXER

TRM SERIES

Technical Specification

Model	TRM 15	TRM 20	TRM 30
Output capacity	15 M ³ / Hr.	20 M ³ / Hr.	30 M ³ / Hr.
Material storage capacity	10 M ³	12 M ³	14 M ³
Mixing and Discharge system	Forward rotation of drum mixes the material and reverse rotation of drum discharges the concrete.		
Material weighing system	Digital load cell based weighing of aggregates		
Cement feeding system	Through inclined screw conveyor		
Water feeding system	Timer based accurate water feeding system		
Control panel	Fully automatic PLC based control panel		
Pneumatic wheels	2 nos	2 nos	4 nos
Water tank capacity	200 litres	250 litres	300 litres
Total connected power	25 HP	30 HP	43 HP
Suggested DG Set	40 KVA	50 KVA	62 KVA
Concrete discharge height	1.2 meter from GL	1.5 meter from GL	1.7 meter from GL



TRM - 30

Optional Accessories

- Prefab cabin for control panel
- Fly ash / GGBS feeding system
- Storage silos
- Scada software with computer



TERRA MAKE MINI MOBILE BATCHING MACHINE

TMB SERIES

Technical Specification

Model	TMB 550 E	TMB 800 E	TMB 1050 E	TMB 1400 E
Output capacity/ Hour	8-10 M ³	10-12 M ³	12-15 M ³	15-17 M ³
Mixer type	Reversible drum type mixer			
Mixing and discharge of concrete	Forward rotation of the drum mix the material and reverse rotation of the drum discharge the concrete			
Main drive of the mixer	10 HP	10 HP	15 HP	20 HP
Material weighing system	Digital load cell based weighing of the material in each bin			
Water tank capacity	150 litre	200 litre	250 litre	300 litre
Water feeding system	Flow rate based accurate water feeding system			
Pneumatic tyres	4 no	4 no	4 no	4 no
Hydraulic tank capacity	40 litre	40 litre	60 litre	90 litre
Centralized lubrication system	Inbuilt centralized lubrication system			
Tow bar facility	Yes	Yes	Yes	Yes
Control panel	Micro processor based control panel			
Total connected power	12.5 HP	12.5 HP	17.5 HP	23 HP
Suggested DG set	25 KVA	25 KVA	30 KVA	40 KVA

Optional Accessories

- Printing facility
- Auto admixture dosing system
- Single/two/three bin system



TERRA MAKE MINI MOBILE BATCHING MACHINE DIESEL ENGINE OPERATED

TMB SERIES

Technical Specification

Model	TMB 800 DI	TMB 1050 DI
Output capacity/ Hour	10-12 M ³	12-15 M ³
Mixer type	Reversible drum type mixer	
Mixing and discharge of concrete	Forward rotation of the drum mix the material and reverse rotation of the drum discharge the concrete	
Main drive of the mixer	16 HP Air cooled diesel engine	20 HP air cooled diesel engine
Material weighing system	Digital load cell based weighing of material	
Water tank capacity	200 litre	250 litre
Water feeding system	Auto water dozing system	
Pneumatic tyres	4 no	4 no
Hydraulic tank capacity	200 litre	250 litre
Centralized lubrication system	Inbuilt centralized lubrication system	
Tow bar facility	Yes	Yes
Control panel	Micro processor based control panel	
Hydraulic oil cooler	Yes	Yes
12V DC battery	80 AMP	80 AMP

Optional Accessories

- Pen Drive facility
- Single/two/bin arrangement



TERRA MAKE CONCRETE ROAD / CANAL PAVER FINISHERS

Technical Specification

Particulars	Specifications
Available width of the pavers	Starts from 3 Mtr and available up to 15 Mtr width
Prime Mover	
Drive End Panel	5 HP Geared motor
Vibratory Cylinder	5 HP Geared motor
Bogie RH & LH	1 HP x 1 HP electrical geared motor
Vibratory Motor	1 HP
Traction System	
Traction Drive	Two electrically Driven double flanged bogie wheels
Traction Speed	0 - 22 RPM
Extra long screw Augur with harden flights for durability	
Shock protections	
Overload protections	
Adjustable carriage movement with variable speed drive	

Optional Accessories

- Slope wedges
- Fabricated Rail
- High frequency Needle vibrators
- Works platform
- Grooving arrangement
- PVC inserter



TERRA MAKE CONCRETE SCREED PAVER FINISHER

Technical Specification

Available Width	Minimum width 3 Mtr and Maximum Width Will be 6 Mtr.	
Cylindrical finishing rollers	Unique design as we provide two separate cylindrical finishing rollers one at the front side and another at the back side so better finishing is achieved more to this one can operate both the rollers together or stops any one roller as per requirement.	
Augur arrangement	Full length augur is provided at the front side for spreading extra concrete equally on the both the ends of the slab to achieve even surface and more to this separate drive is given with provision of forward and reverse rotation so one can operate it in either direction as per the requirement	
Drive rollers	Total four drive rollers are given where two rollers at each side is given with separate drive for both the ends with provision of forward and reverse rotation so one can move the paver forward or reverse as per need and we also provide facility to turn on/off any side of the drive rollers which helps to move paver in curving areas of the slab.	
Prime movers	Spreader augur	3 hp electrical geared motors
	Cylindrical finishing rollers	5 hp x 2 nos ele. Geared motors
	Drive rollers	3 hp x 2 nos ele. Geared motors
	Vibratory needles	3hp x 5 nos. Electric motors
	Total connected load (h.p)	34 HP
	Suggested d.g. Set	50 KVA
Operator sitting	Adjustable seat with canopy provided at the top of the paver for the operator	
Control panel	Mounted on the top of the paver with internal cabling and with wired remote control to operate the paver.	
Mobility	Four mechanical type swivel jacks with solid tyre provided for height adjustment and for moving the paver at the each end of structure where tires are used to in or out the paver from panel area of the concrete slab.	



HORIZONTAL CEMENT/ FLY ASH STORAGE SILO

Key features of the horizontal storage silo

- Comes in storage capacity of 40 MT/60 MT and 80 MT
- No requirement of heavy civil foundation works
- Easy to erect and commission at site and easy to shift.
- No cement Go down required at site.
- Client can store loose as well as bag cement in this horizontal silo.
- No wastage of cement due to leak proof design.
- We also provide below listed silo accessories along with this horizontal silo
 1. Top mounted dust collector
 2. Paddle type level indicators
 3. Vibro motors
 4. Horizontal screw conveyer
 5. Pneumatic bulk cement unloading system
 6. Silo control panel with all indicators
 7. Pressure safety relief valve
- Helps you to achieve Pollution free handling of cement at site.
- Easy to shift and reinstall as the horizontal silo comes with skid mounted design.

VERTICAL CEMENT/FLY ASH STORAGE SILO AND FEEDING SYSTEM



Key features of the Vertical storage silo

- Storage silos can be used to store Cement, Fly ash and GGBS as per the requirement of the clients.
- Storage silo comes in various capacities like 50 MT, 65 MT, 100 MT and 150 MT storage capacities.
- We also provide silo accessories like
 1. Paddle type Level indicators
 2. Top/Bottom mounted Dust collectors
 3. Pressure safety relief valves
 4. Fluidization nozzles
 5. Bin Aerators
 6. Twin lobe blowers for bulker unloading
 7. Manual bag feeding system (Debagging Unit)

10/7 CONCRETE MIXER



Without Hopper

Hydraulic Hopper



Technical Specification

Type	Hydraulic Hopper	Without Hopper
Unmixed capacity	280 litre (10 cu.ft.)	280 litre (10 cu.ft.)
Mixed capacity	200 litre (7 cu.ft.)	200 litre (7 cu.ft.)
Drum speed	24 to 27 RPM	24 to 27 RPM
Production rate	6 to 8 M ³ /hr.	6 to 8 M ³ /hr.
Weight (Approx.)	1450 kgs.	950 kgs.
Towing speed	15 km/hr	15 km/hr
Diesel engine power rating	6 HP	6 HP

* The Given Dimensions are approximate. However if the company needs any changes it can be made.

Due to continous upgradation in our technology terra equipment reserves right to change/alter design and specification without any prior notice.