

A
HOUSE OF
CONSTRUCTION EQUIPMENTS



THE GLITTER INDIA



THE COMPANY

Nitin Raval the Indian, Who founded The Glitter India Construction Equipments in 1998. TGI's prime objectives are simply "to provide our clients in the concrete industry a complete range of plants and components together with an excellent after sales service". The recruitment of a combination of high-experienced staff and reliable partners enable TGI to quickly confirm itself as a well-know supplier for batching plants and components in the Middle East. Today many companies in the ready-mix and precast industries are utilizing the TGI product range. TGI has established close relationships with leading manufacturers and suppliers for all kind of components for the concrete industry. All our experience is for the benefit of our customers. What separates TGI from its competitors is the ability to be fair, clear, and honest with our customers.

❖ Our experience:

- More than 15 years experience in the concrete industry
- Installation of complete batching plants
- Installation and commissioning of computer systems
- Cooperation with high quality suppliers

❖ Products and components:

- Batching plants
- Silo
- Silo equipment
- Concrete pumps and mixers
- Cement screws
- Computer systems web based.
- Twin shaft and planetary Mixers.
- Self loading concrete mixer

"THE GLITTER INDIA" is one of the fastest growing company engaged in the manufacturing of wide range of quality, we in **"TGI"** take up the challenge of globalization and offer concrete batching plants to the professionals of the world, manufactured in India. The various range of batching plants series the highest technical performance demands.

"THE GLITTER INDIA" concrete batching plants has a venture of provide turnkey solution of construction equipment of our large range Model No.TGI-30, TGI-20 & TGI-10 concrete mixing plant represents is further development of the field proven smaller compact with are concrete mixing technology. The plant consists produced mixed concrete works of Road construction, Canal, Dams, Bridges& any project where the demand of the concrete is on peak.

Know-How and Co-Operation with the Customer Respect for the Requirement

"THE GLITTER INDIA" is aware that the requirement of each customer is unique. Therefore we offer tailor-made plants geared to the specification, capacity, future needs, geared to the automation level, environment, and investment level as specified by the client.

Solutions:

"THE GLITTER INDIA" TGI Construction Equipments interact closely with customer in order to obtain the best solution. Our flexible and tested product range allows the possibility of updating old plants, building new plants, or supplying single machines.

INDEX

MANUFACTURING PRODUCTS :

TGI can offer the complete range of batching plants starting with a capacity of 10 m³/h up to 160 m³/h. All plant types are available like horizontal or tower plant, plants with wet and dry output leg and also mobile plants for easy erection and dismantling.

TGI-RM-10, 12 & 15	Reversible Mixer With digital weighing system	4
-TGI- Compact 12 to 15	Ready mix Concrete Batching Mixing Plant with Pan Mixer	5
TGI-IFRMD-600	Inline Hopper with Reversible/Pan Mixer	6
TGI-IFRMD-750	Inline Hopper with Reversible/Pan Mixer	7
TGI- Compact-25 CPT	Ready mix Concrete Batching Mixing Plant with Pan Mixer	8
TGI-Compact - 30/45/60 P/T	Ready mix Concrete Batching Mixing Plant with Twin Shaft/Pan Type Mixer	10
TGI-IF- 30/45 P/T	Inline Hopper Concrete Batching Plant with Twin Shaft/Pan Mixer.	11
TGI-IF- 60/75/90/120 M³	Concrete Batching/Mixing Plant Inline four bin feeding system	12
Pan Mixer / Twin Shaft Mixer / Planetary Mixer		16
Concrete Lining Paver		17
Road Paver		18
Self Loading Transit Mixer		19
Silo Accessories		20
Onsite Working Plants		21

REVERSIBLE MODEL

MINI MOBILE BATCHING MACHINE WITH DIGITAL WEIGHING

MODEL: TGI-RM-10 / TGI-RM-12 / TGI-RM-15

Capacity 10m³/hr, 12m³/hr. & 15m³/hr.



CONTROL PANEL



WATER FLOW CONTROLLER



LOAD INDICATOR



BATCH PRINT SYSTEM



HYDRAULIC POWER PACK WITH HAND LEVER VALVE



FEEDING TO CONCRE PUMP



EMERGENCY HAND LEVER TO ROTATE DRUM



POWER TRANSMISSION DRIVE SYSTEM WITH GEAR BOX

OPTIONAL PROVISIONS :

- Single bin weighing system.
- Two bin weighing system.
- Three bin weighing system.
- Printing facility.
- Admixture dosing system.
- Cement feeding screw conveyor system.
- Pneumatic feeding system for aggregate
- Loadout belt for discharge of concrete in transit mixer.

OPTIONAL ACCESSORIES :

- Three bin aggregate mobile storage BIN system.
(capacity of each bin 0.9 cum) operating pneumatic cylinder and sequence type aggregate gate electronic control system & hopper lifting done manually.

SALIENT FEATURES :

- Cost effective
- Compact & robust design
- Easy operation
- Easy portability
- Low maintenance cost.
- Reduce labour cost.
- Reduce wastage of material at site.
- Increases concrete output.
- Produce homogenous concrete quality.
- Produce high density of concrete.
- Useful for various construction site conditions such as bridge construction, Canal line, Hills top, Inside tunnel, H.E. Project, Residential & Industrial Construction & also in Congested places.

BIN SYSTEM WITH THREE BIN MODULE SEMI AUTOMATIC BATCHING PLANT



Capacity 10m³/hr, 12m³/hr. & 15m³/hr.



TECHNICAL SPECIFICATION

DESCRIPTION	MODEL NO. SGE - RM - 10	MODEL NO. SGE - RM - 12	MODEL NO. SGE - RM - 15
Output (m ³ /Hr)	10	12	15
Drum Capacity	0.4 m ³	0.5 m ³	0.75 m ³
Mixer Type Recversible Drum	Reversible Mixer Drum	Reversible Mixer Drum	Reversible Mixer Drum
Prime Mover Motor	10 H.P. 3 Phase	12 H.P. 3 Phase	15 H.P. 3 Phase
Supply Voltage	415V ± 5%	415V ± 5%	415V ± 5%
	50Hz, 3 Phase Neutral In line (Grease Proof)	50Hz, 3 Phase Neutral In line (Grease Proof)	50Hz, 3 Phase Neutral In line (Grease Proof)
Gear Box	Digital Weighing (Based on Load Cell Principal)	Digital Weighing (Based on Load Cell Principal)	Digital Weighing (Based on Load Cell Principal)
Weighing System	Hydraulically Operated with Heavy Duty Power Pack	Hydraulically Operated with Heavy Duty Power Pack	Hydraulically Operated with Heavy Duty Power Pack
Loading Hopper	4 Nos. Pneumatic Wheels	4 Nos. Pneumatic Wheels	4 Nos. Pneumatic Wheels
Wheels	4 Nos. Pin Type Jacks	4 Nos. Pin Type Jacks	4 Nos. Pin Type Jacks
Machine Leveling	WATER SYSTEM (AUTOMATIC CUTOFF SENSOR TYPE) :		
Control	Automatic	Automatic	Automatic
Storage Tank	100 Liters	100 Liters	100 Liters
Water Dosing	Digital Flow Meter	Digital Flow Meter	Digital Flow Meter
Type	Direct Filling	Direct Filling	Direct Filling

Note: Due to continuous improvement specifications are subject to change without prior notice. Items viewed in photograph may not be include in standard scope of supply.

ABILITY IN MODEL SGE RM 10, RM 12 & RM 15



SINGLE BIN
Sand & Water are Digitally
Weighed in Single Bin



TWO BIN
Sand & Water are Individually
Weighed in Two Bin



THREE BIN
Third Bin Facilitates the Requirement
of Weighing Material

COMPACT RD MODEL

TGI COMPACT 15M³ PER HOUR CAPACITY MOBILE PLANT WITH REVERSIBLE MIXER

Capacity 15m³/hr.



SALIENT FEATURE

- Cost effective
- Compact & robust design
- Easy operation
- Easy portability
- Low maintenance cost
- Reduces labour cost
- Reduces wastage of material at site
- Increases concrete output
- Produces high density of concrete



IFRMD MODEL

FULLY AUTOMATIC SINGLE CHASSIS MOBILE CONCRETE BATCHING MIXING PLANT WITH REVERSIBLE DRUM MIXER

Capacity 18m³/hr. to 20m³/hr.



OPTIONAL PROVISIONS :

- Remote control facility.
- Admixture dosing system.
- External ground level feeding system of Cement / Fly-Ash.
- Load out belt for discharge of concrete in transit mixer.

SALIENT FEATURE :

- Cost effective.
- No foundation, No partitioning
- Compact & Robust design.
- Easy operation.
- Easy Portability.
- Low maintenance cost.
- Erection time less than 6 hours.

- Negligible labour cost.
- Reduces wastage of material at site.
- Increases concrete output.
- Produces homogenous concrete quality.
- Accommodates different mix recipes at one time.
- Useful for various construction site condition such as Bridge Construction, Canal Line, Hill Slop, Industrial Tunnel, H. E. Project, Residential & Industrial Construction & also in congested places.



IFRMD 20 - 22 m³/h



MODEL : IFRMD 20

TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	MODEL : COMPACT 15	MODEL : IFRMD 20
Output	m ³ /hr	15	20
MIXING UNIT - REVERSIBLE DRUM MIXER			
Mixer Capacity	Litre	600	750
Batch Capacity	m ³	0.4	0.6
Prime Mover Motor	H.P.	12.5	15
Drive System	Gear Box	Inline (Grease Proof)	Inline (Grease Proof)
Storage Hoppers	No.	3 / 4 (optional)	3 / 4 (optional)
Separate Weighing			
Aggregate / Cement / Water / Separate Weighing		Electronic-Digital	Electronic-Digital
Water Connection	mm	40	40
Total Power	HP	31	34
Connected Load	KVA	50	55
Operation Voltage	Volt	1x230/3x415	1x230/3x415
Mains Frequency	Hz	50	50
Mixing Time	Seconds	30	30
Cycle Time	Seconds	120	120
Tyre			
Pneumatic Type	No	4	4
Size		600-16	750-16
Mechanical Jack	No	6	6
Discharge Height			
Standard	m	1.5	1.5
Optional (Load out Conveyor)	m	3.5	3.5
Total Weight (Approx)	Ton	10	12

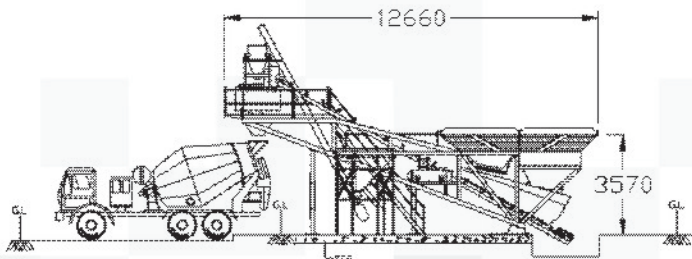
COMPACT MODEL

RMC MOBILE CONCRETE BATCHING / MIXING PLANT

Capacity $25\text{m}^3/\text{hr}$, $30\text{m}^3/\text{hr}$, $45\text{m}^3/\text{hr}$, $60\text{m}^3/\text{hr}$.



ELECTRONIC CONCRETE BATCHING MIXING PLANTS



DIGITAL ELECTRONIC SYSTEM SINGLE CHASSIS MOBILE BATCHING PLANT

TECHNICAL SPECIFICATION				
DESCRIPTION	UNIT	MNR - 22	MNR - 30	MNR - 45
Output	m ³ /hr	22	30	45
Output / Cycle	m ³ /Sec.	0.4/60	0.6/60	0.75/60
Through Output	m ³ /hr.	20	30	45
(Volume of fresh Concrete with ... a mixing time of 20sec. in Continuous Operation)				
Concrete Discharge Height	Meters. Approx	3.8	3.8	3.8
Weighing Capacity	Kg.	800	1000	1200
Aggregate & Cement & Water Scale				
Water Connection	mm	40	50	50
Operation Voltage	Volt	1x230 / 3x415	1x230 / 3x415	1x230 / 3x415
Mains Frequency	Hz	50	50	50
Connected Load for the Basic DG set Required	Kva	62	75	82
Total Power	H.P.	43.125	57.5	65
OPTIONAL PROVISION				
Available in 3 Cross Bin Hopper				
MIXING UNIT - PAN MIXER / TWIN SHAFT MIXER				
Prime Mover	H.P.	20	25	35
2 x 2 CROSS BIN FEEDING UNIT				
Total Bins	Nos.	4	4	4
Storage Capacity	M.T	14	16	20
Feeding System	Gathering Conveyor Belt with auto Cut-Off			
Control Panel	Fully Automatic Plc Base HMI System			

Note : The Maximum performance characteristic quoted may not be achieved simultaneously with all materials. In Order to constantly improve its product GLITTER reserves the right to change the foregoing specifications without notice. Some illustrations depict optional equipment.



SALIENT FEATURES

- Cost effective
- Collapsible Puf Cabin
- No foundation, no partitioning
- Compact & robust design
- Short cycle time and high uniform concrete quality
- Easy operation
- Substantial energy saving
- Optimum mixing performance
- Available with turbo pan mixer & twin shaft mixer
- Low maintenance cost
- Erection time less than 6 hours
- Negligible labour cost
- Reduces wastage of material
- Increase concrete output
- Hydraulic discharge system
- Pen drive support available
- Electronic weighing system for better accuracy in design mix
- Fully automatic electronic batching software with digital display of each operation (scada based system available as optional)

INLINE MODEL

FULLY AUTOMATIC ELECTRONIC RMC MOBILITY CONCRETE BATCHING / MIXING PLANT



Capacity $30\text{m}^3/\text{hr}$, $45\text{m}^3/\text{hr}$.



Capacity $60\text{m}^3/\text{hr}$, $75\text{m}^3/\text{hr}$, $90\text{m}^3/\text{hr}$, $120\text{m}^3/\text{hr}$, $180\text{m}^3/\text{hr}$.

FULLY AUTOMATIC ELECTRONIC RMC MOBILITY CONCRETE BATCHING / MIXING PLANT

Capacity 30m³/hr, 45m³/hr, 60m³/hr, 75m³/hr, 90m³/hr, 120m³/hr, 180m³/hr.

A : Aggregated feeding belt conveyor

B : Cement weigher

C : Water weigher

D : Additive weigher



SCADA SYSTEM BASED CONTROL PANEL

THE GLITTER INDIA



INLINE FEEDING SYSTEM:

It is a user-friendly feeding system which achieve better output. The ramp for feeding aggregate in the hoppers, is constructed on one side as per the convenience/site conditions.

The capacity of the hoppers can be increased by fixing additional panels in the system.

Weighing:

- Separate weighing for Aggregate, Water and Cement /Filler.
- Thus cycle time is less
- Higher accuracy with more no. of load cells
- 4-Aggregate use S-Type Load Cell
- 3- Cement / filler
- 1- Water

CONTROL PANEL :

- Single Integrated power & control panel with PLC based system having SCADA SYSTEM COMPUTER ON - LINE DISPLAY with following features :
- Inbuilt serial interface.
- Powerful recipe management (99 Recipes) storage.
- Online computer display batch weigh information.
- Consumption records of all ingredients.
- User-Friendly operation interface.
- Panel is also facilitated with push button station for manual operation.

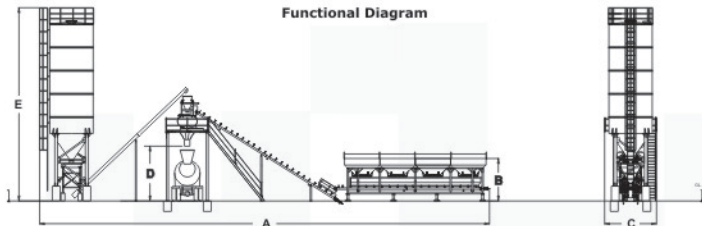


SAILENT FEATURE :

- Cost effective
- No foundation, no partitioning
- Compact & robust design
- Easy operation
- Easy protability
- Low maintenance cost
- Erection time less than 6 hours
- Negligible labour cost
- Reduces wastage of material
- Increase concrete output
- Password locking facility
- Hydraulic discharge system
- Tabulated print our system for each batch
- Electronic weighing system for better accuracy in design mix
- Fully automatic electronic batching software with digital display of each operation (scada based system available as optional)
- Ample space on the mixer platform which provides easy and faster access for maintenance.

RMC MOBILITY CONCRETE BATCHING / MIXING PLANT

Functional Diagram



DIMENSION					
MODEL	A	B	C	D	E
TGH-IF-30T&P	34390mm	3040mm	4000mm	4100mm	12100mm
TGH-IF-45T&P	34390mm	3040mm	4000mm	4100mm	12100mm
TGH-IF-60T	35000mm	4950mm	4000mm	4100mm	13100mm
TGH-IF-75T	36500mm	5425mm	4000mm	4100mm	13600mm
TGH-IF-90T	36500mm	5425mm	4000mm	4100mm	13600mm
TGH-IF-120T	45425mm	6300mm	4400mm	4600mm	14200mm

TECHNICAL SPECIFICATION						
DESCRIPTION	UNIT	MNR-IF-30	MNR-IF-45	MNR-IF-60	MNR-IF-90	MNR-IF-120
Output Theoretical*	m ³ /hr	30	45	60	90	120
Type of Mixer		PAN(Turbo)/Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft
Input/Output Capacity	Liter	800/500	1200/750	1600/1000	2400/1000	3200/2000
Output Batch	m ³	0.5	0.75	1.0	1.5	2.0
Mixer/Motor Power	hp	25	40	25 x 2	40 x 2	50 x 2
Max. Size of Aggregate	mm	60	60	60	60	60
Aggregate Storage Compartment		Inline System	Inline System	Inline System	Inline System	Inline System
Storage Hopper	No.	4	4	4 (Optional 6)	4 (Optional 6)	4 (Optional 6)
Storage Capacity	m ³	32	40	56 / 90	90 / 120	120 / 160
Aggregate Discharge From Hopper		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Charge of Aggregate to Mixer	Belt Conveyor/Skip	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / No
Aggregate Waiting Hopper on Mixer		No	No	Yes	Yes	Yes
Water Connection	mm	40	50	50	50	50
Weight System						
Aggregate Scale						
Weighing Capacity	kg.	2500	2500	3500	5000	7500
Balance Precise	kg.	+ 2%	+ 2%	+ 2%	+ 2%	+ 2%
Cement Scale						
Weighing Capacity	kg.	300	450	450	600	900
Balance Precise	kg.	+1 %	+1 %	+1 %	+1 %	+1 %
Water Scale						
Weighing Capacity	kg.	150	200	300	600	900
Balance Precise	kg.	+1 %	+1 %	+1 %	+1 %	+1 %
Admixture Scale						
Weighing Capacity	kg.	100	100	100	100	150
Balance Precise	kg.	+1 %	+1 %	+1 %	+1 %	+1 %
Greasing System	Yes	Automatic	Automatic	Automatic	Automatic	Automatic
Moisture Probe	Yes	Optional	Optional	Optional	Optional	Optional
Discharge Height	> m	3.8	3.8	3.8	3.8	3.8
Control System		SCADA	SCADA	SCADA	SCADA	SCADA
Total Power	HP	94.91	103.91	115	157.75	190.25

Concrete output production is considerate with 30 seconds mixing time.

PAN MIXER :

Panmixer drive comprises of a multi stage heavy-duty planetary gearbox with pan mounted single main drive motor with thermostat overload protection. No hard tiles are supplied to protect mixer floor and walls. The mixing and cleaning arms are made out of special graded material. The discharge of concrete from mixer is controlled hydraulically by cylinder. The technically advanced hydraulic discharge system provides smooth operation and a fast clean discharge for reduced mix cycle time.



PLANETARY MIXER :

The planetary (or countercurrent) design has one or two mixing stars that rotate themselves while also rotating around a central point, allowing each arm to cover the whole mixer floor in a number of revolutions. This powerful mixing action is both fast and thorough, results in a mixing time, after water is added, of 30 seconds or less for most types of concrete. The result is greater throughput, providing more concrete per hour for the same size plant, as well as better consistency and greater strength or, on the other hand, a saving on cement. Sicoma's planetary design is superior to turbine and twin-shaft designs for production of all types of dry-cast concrete. The reason for this is its intense mixing action, which breaks up zero-slump mix quickly.

TWIN-SHAFT MIXER :

Latest and advanced technology to meet the requirements of ready-mix and precast concrete industries where a large volume of high quality concrete is produced. It produces homogenous mix with lesser time thus the output of the batching plant is increased. The mixer, with counter rotating shafts, delivers fast mixing action and rapid discharge and handles mix designs with coarse aggregates pebble up to 80mm/gravels up to 60mm in size.



CONCRETE LINING PAVER FINISHER



High Precision Cylinder Finisher for Concrete Slabs such as Canal, Reservoir, Road, Airports, Parking, Factory Floors etc ...

SENSOR CONCRETE PAVER

- Electronic hydraulic control system for steering and grade sensor Control panel with monitor gauges and hydraulic elevation jacks.
- High precision cylinder finisher pavement for concrete slabs such as road & airport project
- Vibrating finishing cylinder bracket for compaction and finishing
- Finishing width from 3.6 meters to 12.6 meters.
- Light weight construction for easy erection and transport.
- The special undercarriage consists of spreader auger to spread the concrete to level, the vibratic cylinder to compact and finish the concrete to the grade.
- Special arrangement is made for PVC inserter, which can insert PVC longitudinally as well as vertically. Also groove cutter arrangement is made, which is required.



SELF LOADING TRANSIT MIXER

Capacity $2\text{m}^3/\text{hr}$, $4\text{m}^3/\text{hr}$.



SALIENT FEATURE :

- User friendly operation.
- 35% Grade ability
- 180 reversible driving post
- Electronic weigh batching unit
- Components & design standardized to give less wear & tear, better productivity & higher economy
- 4 wheel drive & 4 wheel steering
- Efficient and reliable after sale service, round the clock

SILO ACCESSORIES



Twin Lobe Single Acting Compressor



**Cement/Fly Ash Feeding System
Duel System Compressor**



**VBAI-Vibrating Bin
Aerator Pad Mounted
from inside of the Silo**



**VBAO-Vibrating Bin
Aerator Pad Mounted
from outside of the Silo**



Pressure Relif Valve



Small Dust Collector **Medium Dust Collector** **Large Dust Collector**



Screw Conveyor



Gear Box



Sealing unit



Butterfly Valves

ONSITE WORKING PLANT





ISO 9001:2015

THE GLITTER INDIA CONSTRUCTION EQUIPMENTS

Manufacturing Unit :

337/1, Shreeji Plot, Naroda Dehegam Road,
Vill. Enasan, Tal. Daskroi, Dist. Ahmedabad (Guj.)- 382 330 (India)
Mobile : + 91 9377731625, +91 9825031625
Telefax : +91 (2718) 240021
Email : mktg.ahd@glitterindia.net
Email : glitter@glitterindia.net
Email : glitterindia11@gmail.com



TGI-RM-10/12/15

TGI- Compact 12/15/18

TGI-IFRMD-600

TGI-IFRMD-750

TGI- Compact-25 CPT

TGI-Compact-30/45/60 P/T

TGI-IF- 30/45/60/75/90/120 P/T

Reversible Mixer With digital weighing system

Ready mix Concrete Batching Mixing Plant with Pan Mixer

Inline Hopper with Reversible/Pan Mixer

Inline Hopper with Reversible/Pan Mixer

Ready mix Concrete Batching Mixing Plant with Pan Mixer

Cross bin hopper Concrete Batching Mixing Plant with Twin Shaft/Pan Type Mixer

Inline Hopper Concrete Batching Plant with Twin Shaft/Pan Mixer.

Marketed by :

