



# NEXUS

Empowering You...



 ISO 9001 : 2015  
 Certified

## ABOUT US

Nexus is an ISO 9001:2015 Certified young & go the extra mile attitude organisation driven by the vision and expertise of industry - rich highly experience as well ass young engineering team of specialists.

## OUR VISION

- Partner with customers in building New India with concrete equipment of international standards.
- To become a world class design and manufacturing facility in construction equipment field.
- Retain leadership position
- Provide utmost customer support
- Society responsible for clean and green work environment

## OUR VALUES

- First priority for safety, health & environment.
- High respect for human value & ethics.
- Applying original intellecton designing international standard concrete equipment.
- Compliance to international standard on quality.
- Valuing each moment of truth with customers.
- Dependable & reliable after sale sservice.
- Commitment to corporate social responsibility.





# NEXUS

Empowering You...

INFRA RMC SERIES



FULLY AUTOMATIC READY MIX CONCRETE  
BATCHING & MIXING PLANT - TWIN SHAFT MIXER

NTS-Series is a revolutionary designed model in which we have used the design concept of high capacity plants. The belt conveying system saves the time, reduces the maintenance and increases the output. This plant is suitable for RMC setup & mass concreting / bulk concreting.

## TECHNICAL FEATURES

- Twin Shaft Mixing Technology
- Imported Twin Shaft mixer.
- Hydraulic discharge system for twin shaft mixer.
- PLC operated completely automatic control panel with SCADA Software.
- Control cabin
- Separate weighing system for cement and fly-ash.
- Pneumatically operated gate for aggregate and sand.
- Vibrators for easy discharge
- Screw feeder to pour cement speedily.
- Water and ad-mix pour by weight.
- Electronic weighing system for better accuracy in design - mix.
- Cement silo with Vertical screw feeder (optional)
- Password locking facility to lock the plant
- Tabulated print out port for each batch report.
- No pit required.

Model	NTS-45	NTS-60	NTS-75	NTS-90
Hourly Output	45	60 M3/Hour	75M3/Hr	90 M3 / Hour
Cycle Time of Mixer	60 Seconds	60 Seconds	60 Second	80 Second
Loading Capacity	1125 Ltr	1500 Ltr.	1875 Ltr	3000 Ltr
Output per cycle	750 Ltr	1000 Ltr.	1250 Ltr	2000 Ltr
Power of mixing Motors	20 + 20 (40)	37 KW	2 x 22KW	2x37 Kw
Voltage supply with Triangular connection	380VAC, 3Ph, 10Hz	380 VAC, 3PH, 50Hz	380VAC, 3Ph, 50Hz	380 VAC, 3PH, 50Hz
Angle Reduction Gear Units	2	2	2	2
Mixing Blades	8	8 (600 HB)	8 (600HB)	14 (600HB)
Scrapping Blades	4	4 (600 HB)	4 (600 HB)	4 (600 HB)
Mixing Arm	12	12	12	18
Lining hardness	500 HB	500 HB	500 (HB)	500 HB
Cycle/Hour	60	60	60	45
<b>ELECTRONIC WEIGHING RANGE WITH LOADCELL</b>				
Aggregate Scale	3000 Kg	3000 Kg	3500 Kg.	5000 Kg
Cement Scale	600 Kg	600 Kg	750 Kg.	1200 Kg
Water Scale	200 Ltr	300 Ltr	350 Kg.	500 Ltr
Ad-mix Scale	6 Kg	8 Kg	10 Kg.	16 Kg
Aggregate Storage Bin feeder	9M <sup>3</sup> x 4	12M <sup>3</sup> x 4 Nos.	13M <sup>3</sup> x 4 Nos	15M <sup>3</sup> x 4 Nos
Max Aggregate Size	40 mm	80 mm	125 mm	150 mm
No. of bins/gates per bin	4/1	4/2	4/2	4/2
Weighing Conveyor	Yes	Yes	Yes	Yes
<b>POWER CONSUMPTION</b>				
Twin Shaft Mixer	20 + 20	1x50	2x30	2x50
Hydraulic Motor	3	1x2	1x2	1x2
Gathering Conveyor	10	1x15	1x20	2x15
Slinger Conveyor for cement	15	1x15	1x20	2x15
Screw Conveyor for Fly Ash	15	1x15	1x15	1x20
Water Pump	5	1x5	1x5	1x7.5
Air Compressors	3	1x5	1x5	1x7.5
Ad-Mixer	1	1x2	1x2	1x2
Sand Vibrator	1	2 x .5	2x1	2x1
Lubrication Motor	1 Hp	1x1	1x1	1x1
Total Power Consumption	101	132	152	227
Recommended DG Set z	120KVA	160 KVA	180 KVA	275 KVA

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# NEXUS

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INFRA RMC SERIES



NEXUS - INLINE SERIES  
PAN MIXER / PLANETARY MIXER

## TECHNICAL FEATURES

- Hydraulic discharge system (For Pan Mixer)
- Blade mixing technology with planetary gear - box.
- PLC operated completely automatic control panel.
- Electronic weighing system for better accuracy in design - mix.
- Separate weighing system for cement and fly-ash.
- Pneumatically operated gate for aggregate and sand.
- Vibrators for easy discharge
- Separate Weighing on belt Conveyor.
- Screw feeder to pour cement speedly.
- Water and ad-mix pour by weight.
- Password locking facility to lock the plant
- Tabulated print out port for each batch report.
- No pit required.
- Pen drive support available.

Model	NIP-30	NIP-45
Capacity (M3/Hr.)	30	45
Geo Volume (M3)	1.7 CBM	2.5
Output Per Batch	0.50M <sup>3</sup>	0.75M <sup>3</sup>
Batches Per Hours	60	60
Discharge Height From Ground Level	Discharge in T.M.	Discharge in T.M.
Capacity (8 Hours)	240 M <sup>3</sup>	360 M <sup>3</sup>
Storage Bin Feeder)	4 Nos	4 Nos
Discharge Gate Opening System	Hydraulic	Hydraulic
Aggregate Storage Bin Capacity	9M3 x 4 Nos	9M3 x 4 Nos
<b>POWER CONSUMPTION</b>		
Pan Motor	30	40
Slinger Conveyor Motor	15	15
Screw Conveyor For Cement	15	15
Bin Feeder Motor	10	15
Water Pump	3	3
Compressor Motor	3	5
Chemical Motor	1	2
Vibrator's	2x0.5	2x0.5
Mixer Discharge Gate Power Pack	2	3
Net Consumption	80	99
Recommended D.G. Set	125 KVA	125 KVA
Power Supply	415 x 3 x 50Hz	415 x 3 x 50Hz



## MOBILE SERIES



FULLY AUTOMATIC READY MIX  
CONCRETE BATCHING & MIXING PLANT  
TWIN SHAFT MIXER - PAN MIXER

MTS/MPM series is design for single chassis structure, compact and fully automatic plant. This machine has four separate weighing system simultaneously. This model has been preferred due to ease of installation and easily shifting of machine from one site to another.

## TECHNICAL FEATURES

- Twin Shaft Mixer System / Pan Mixer.
- PLC operated completely automatic control panel.
- Electric weighing system for better accuracy in design - mix.
- Separate weighing system for cement
- Screw feeder to pour cement speedily.
- Password locking facility.
- Water and ad-mix Pour by weight
- Separate Weighing Belt Conveyor
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Tabulated Printout system or each batch.
- No pit required only nominal civil work.
- Pota Cabin.
- Cement silo with accessories (optional)
- Pen Drive support available.
- Scada System (Optional)

Model	MTS-30	MPM
Capacity (M3/Hr)	30	30
Geo Volume (M3)	1.5 M <sup>3</sup>	1.7
RMC Out Put per Batch	0.5 M <sup>3</sup>	50
Cycles / Hour	60	60
Discharge height	Discharge in Pump	Discharge in Pump
Capacity (8 Hour)	240 M <sup>3</sup>	240
Discharge Opening Gate System	Hydraulic	Hydraulic
<b>POWER CONSUMPTION</b>		
Mixer Motor	30	30
Gathering Conveyor Motor	10	10
Screw Motor	10	10
Water Pump	2	2
Compressor Motor	3	3
chemical Motor	1	1
Vibrator	0.5	0.5
Power Pack Motor	2	3
Total Power Consumption	54.5	60 HP
Power Supply	415 x 3 x 50Hz	0
Recommended DG Set	125 KVA	125 KVA



MOBILE SERIES



FULLY AUTOMATIC READY MIX  
CONCRETE BATCHING & MIXING PLANT

ND Drum Mix Series is design for single chassis structure, compact and fully automatic plant. This machine has four separate weighting system simultaneously. This model has been preferred due to ease of installation and easily shifting of machine from one site to another.

## TECHNICAL FEATURES

- Reversible drum mixer system.
- PLC operated completely automatic control Panel.
- Electronic weighing system for better accuracy in design mix.
- Separate weighing system for cement and fly-ash.
- Screw feeder to pour cement speedily.
- Password locking facility
- Water and ad-mix pour by weight.
- Separate Weighing on belt conveyor.
- Pneumatically operated gates for aggregate & sand.
- Vibrators for easy discharge.
- Tabulated print out port for each batch report.
- No pit required only nominal civil work.
- Control Cabin.
- Cement silo with vertical screw feeder (Optional)
- Pen drive support available.

Model	ND-20	ND-30
Capacity (M3/Hr)	20	30
Geo Volume (M3)	1.75M <sup>3</sup>	2.25 M <sup>3</sup>
Out Put per Batch	0.5M <sup>3</sup>	0.75 M <sup>3</sup>
Batches / Hour	40	40
Discharge height From G.L.	Discharge in Pump	Discharge in Pump
Capacity (8 Hour)	160 M <sup>3</sup>	240 M <sup>3</sup>
Storage Bin Feeder	2+2 Nos. / 3+1 Nos.	3+1 Nos
POWER CONSUMPTION		
Drum Motor	10 HP	15 HP
Belt Conveyor Motor	7.5 HP	10 HP
Cement Screw Feeder Motor	10 HP	10 HP
Water Pump	2 HP	2 HP
Compressor Motor	3 HP	3 HP
Chemical Motor	1 HP	1 HP
Vibrator's	0.5 HP	0.5 HP x 2
Net Consumption	34 HP	42.5 HP
Recommended Dg Set	40 KVA	50 KVA
Power Supply	415 x 3 50Hz	415 x 3 50HZ



# NEXUS

Empowering You...

PORTABLE SERIES



FULLY AUTOMATIC READY MIX  
CONCRETE BATCHING & PLANT  
TWIN SHAFT MIXER / PAN MIXER

NTS/NPM Series is dedicated concrete batching and mixing plant. This is the economical series having the benefits of Twin shaft Mixing and Pan Mix Technology with low pollution, Fast Mix and low noise are the basics features that makes it special. These plants, are available in model NTS-30 cum/Hr. & NPM- 20/30 cum/hr out put.

## TECHNICAL FEATURES

- Twin shaft / Pan Mixing Technology.
- Hydraulic discharge system.
- PLC Operated completely automatic control panel.
- Pota cabin.
- Electronic weighing system for better accuracy in design - mix.
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Separate weighing system for cement and fly-ash.
- Screw feeder, to pour cement speedily.
- Water and ad-mix pour by weight.
- Password locking facility to lock the plant.
- No pit required only nominal civil work.
- Pen drive support available.

Model	NPM - 20	NPM - 30	NTS - 30
Mixer	Pan Mixer	Pan Mixer	Twin Shaft Mixer
Capacity	20 M3/Hour	30 M3/Hour	30 M3/Hour
Geo. Volume (M3)	1	1.7	1.5
Output/Batch	0.35 M3	0.5 M3	0.5M3
Cycle / Hour	60	60	60
Discharge Height	Discharge in TM	Discharge in TM	Discharge in TM
Capacity 8 Hours	160 M3	240 M3	240M3
No. of Component	2/4	2/4	2/4
Discharge opening gate system	Hydraulic	Hydraulic	Hydraulic
<b>POWER CONSUMPTION</b>			
Mixer Motor	20	30	25 HP
Gathering Conveyor Motor	10	15	15
Screw Motor	15	15	15
Water Pump	2	3	3
Compressor Motor	3	3	3
Chemical Motor	1	1	1
Vibrator	1	1	1
Power Pack Motor	2	3	2
Net Consumption	54	66	60
Recommended DG Set	72 KVA	125 KVA	125 KVA



PORTABLE SERIES



FULLY AUTOMATIC READY MIX  
CONCRETE BATCHING & PLANT

ND Drum Mix Series is design for single chassis structure, compact and fully automatic plant. This machine has four separate weighting system simultaneously. This model has been preferred due to ease of installation and easily shifting of machine from one site to another.

## TECHNICAL FEATURES

- Reversible drum mixer system.
- PLC operated completely automatic control Panel.
- Electronic weighing system for better accuracy in design mix.
- Separate weighing system for cement and fly-ash.
- Screw feeder to pour cement speedily.
- Password locking facility
- Water and ad-mix pour by weight.
- Separate Weighing on belt conveyor.
- Pneumatically operated gates for aggregate & sand.
- Vibrators for easy discharge.
- Tabulated print out port for each batch report.
- No pit required only nominal civil work.
- Pota Cabin.
- Cement silo with vertical screw feeder (Optional)
- Pen drive support available.

Model	ND-20	ND-30
Capacity (M3/Hr)	20	30
Geo Volume (M3)	1.75M <sup>3</sup>	2.25 M <sup>3</sup>
Out Put per Batch	0.5M <sup>3</sup>	0.75 M <sup>3</sup>
Batches / Hour	40	40
Discharge height From G.L.	Discharge in Pump	Discharge in Pump
Capacity (8 Hour)	160 M <sup>3</sup>	240 M <sup>3</sup>
Storage Bin Feeder	3+1 Nos.	3+1 Nos
POWER CONSUMPTION		
Drum Motor	10 HP	15 HP
Belt Conveyor Motor	7.5 HP	10 HP
Cement Screw Feeder Motor	10 HP	10 HP
Water Pump	2 HP	2 HP
Compressor Motor	3 HP	3 HP
Chemical Motor	1 HP	1 HP
Vibrator's	0.5 HP	0.5 HP x 2
Net Consumption	34 HP	42.5 HP
Recommended Dg Set	65 KVA	75 KVA
Power Supply	415 x 3 50Hz	415 x 3 50HZ



## MINI TRANSET MIXER



## MINI TRANSET MIXER

Transit Mixer having a capacity of 2 or 3 M<sup>3</sup> operating with Tractor. Easy for a running lead. Rotation provide with tractor PTO drive. Additional Hydraulic jacks provided for discharge of concrete.

## SALIENT FEATURES

- Single Chasis Design
- Drum Mixing Technology
- Capacity 2 & 3 Cum
- Tractor Towing
- Best Suitable for PCC/RCC
- Low maintenance due to its unique design.
- Tractor Towing for easy Transportation
- Low Center of gravity for better stability on rough road.

Model	TM-2	TM-3
Drum DIA	1400MM	1500MM
Length	3000MM	3500MM
Mixing Blade	Inner/Outer	Inner/Outer
Chasis Channel	8/3	8/3
Tyre	7.50-16	7.50-16
Optreating with Gearbox	Yes	Yes
Hydraulic Jack	Nos	Nos
Discharge Type	Tilting	Tilting
Feeding Height	10 Feet	10 Feet
Running With	Tractor PTO	Tractor PTO
Filling %	80%	80%



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