

# RETAINING LEADERSHIP & VALUE YEAR ON YEAR

**Most sought after Reversible Mixers from the global leaders**



Zero Vibrations



Digital Weighing



Choice of Accessories



Universal is India's largest manufacturers and undisputed leader in the reversible drum mixers category. With over 15000 batching machines working across 31 nations worldwide, the demand for these machines is always on the rise. Offering the most efficient mobile concrete mixing solutions, these mixers have many variants suiting many of concrete capacity needs ranging from 300 litres to 1700 litres per batch.

These sturdy machines have a proven track record of efficiently serving in extreme temperatures ranging from -20 degrees Celsius to over 55 degrees Celsius. These fully / partially automatic machines need no skilled operators and offer ample customisation based on various needs. These are the only machines of the Indian make that offer digital weighing system that is certified by the weights and measures department. They come equipped with smart features like zero vibration, automatic water control system, centralised lubrication system and automatic admixture dosing system that ensure perfect concrete consistency and longer equipment life.

These mixers come with various accessories like mobile conveyor feeding systems, cement feeding systems, concrete conveyors, etc. that help the clients customise their batching machines to their optimum usage. These machines have competed and outperformed many competitors in countries like USA, Germany, Australia, UAE, South Africa, etc. Universal today, is the most preferred brand for clients with quality concrete requirements ranging from small to large quantities.

### Salient features

- Undisputed leaders in India
- India's largest reversible drum mixer manufacturers
- Sustains extreme weather conditions
- Low maintenance
- Digital weighing system for accurate weighing
- 15000 batching machines working across 31 nations
- Zero vibration
- Various accessories offering customisation

# Universal Machines With Hi-Teh Unmatched Features

## Inbuilt Digital Weighing System - Load Cell Based

To give more accuracy of aggregate, sand & cement.



Single bin sand & metal are digitally weighed in a single bin



Two bins sand & metal are individually weighed in two bins simultaneously



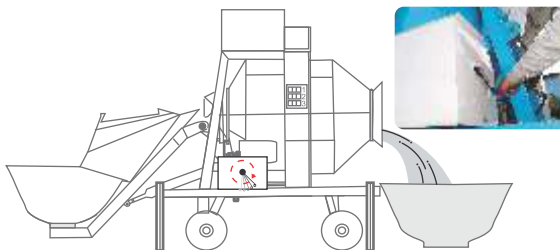
Three bins facilitates the requirement of weighing 3 aggregates simultaneously

## Automised Water & Admixture Feeding System



Automised water and admixture feeding system enhances the quality of concrete by accurate mixing of water & admixture.

## Handle For Concrete Discharge



In case of power failure, Universal's RM is fitted with a handle for manual discharge of concrete

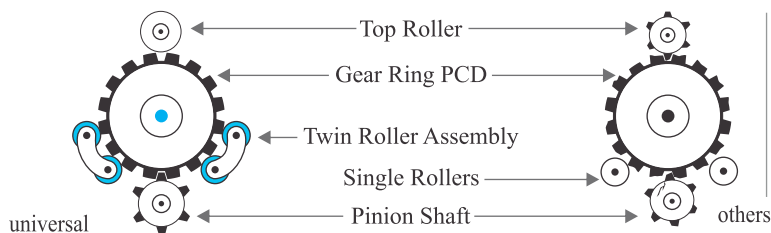
## Control Panel Housed in Protective Enclosure



Control Panel in all weather proof safety enclosure with locking arrangement to avoid damage and possible misuse.

## Twin Roller arrangement

The specially designed system eliminates variable stress during operations; offering perfect alignment to the mixing drum thereby, increasing life of gear ring and pinion.

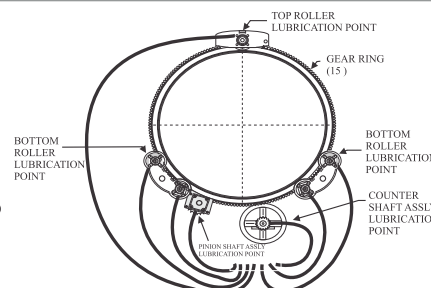


In absence of the twin roller assembly the entire load of the mixer drum falls on the pinion, resulting into wear and tear and accidents.

## Centralized Lubrication System



Facilitates lubrication of bearings of the transmission system which leads to low power consumption; minimizes break down and maintenance cost; increases life of bearings; speeds up





## Technical Features

SPECIFICATION	RM 300	RM 550E	RM 800E / 800D	RM 1050E	RM 1400
Hopper Capacity	250 Liters	550 Liters	800Liters	1050 Liters	1400 Liters
Batch Capacity	200 Liters	400 Liters	600 Liters	750 Liters	900 Liters
Machine Capacity / hour	4 Cu.M./Hr.	7-9 Cu.M./Hr.	10-12 Cu.M./Hr.	12-15 Cu.M./Hr.	17-20 Cu.M./Hr.
Power	5 HP. (7.5 Kw) Elec. Motor	10 HP. (7.5 Kw) Elec. Motor	10 HP. (7.5 Kw) Elec. Motor / 16 HP. Diesel Air Cooled Engine	15 HP. (11 Kw) Elec. Motor	20 HP. (14.96 Kw) Elec. Motor
Water Tank Capacity	50 Liters	170 Liters	170 Liters	250 Liters	280 Liters
Weighing System	Load Cell Based weighing System with digital display	Load Cell Based weighing System with digital display	Load Cell Based weighing System with digital display	Load Cell Based weighing System with digital display	Load Cell Based weighing System with digital display
Hydraulic Pump	16.5 lpm @ 200 bar	24 lpm @ 200 bar	24 lpm @ 200 bar	28.5 lpm @ 200 bar	28.5 lpm @ 200 bar
Gear Ring & Roller	Accurately Machined with Gear Cutting Operation Supported by Heavy duty Twin rollers guide				
Wheels	Pneumatic Wheels (4 Nos.) 4" x 8"	Pneumatic Wheels (4 Nos.) 6" x 16"	Pneumatic Wheels (4 Nos.) 6" x 16"	Pneumatic Wheels (4 Nos.) 6" x 16"	Pneumatic Wheels (4 Nos.) 7" x 19"
Jack Leveling	Pin Type (4 Nos.)	Pin Type (4 Nos.)	Pin Type (4 Nos.)	Pin Type (4 Nos.)	Pin Type (4 Nos.)
Dimensions (L x W x H )	2915 x 1740 x 2065 mm	4365 x 2260 x 2987 mm	4275 x 1940 x 2860 mm	4859 x 2230 x 3420 mm	5245 x 2315 x 3420 mm
Weight	970 Kg	2150 Kg	2250 Kg	2500 Kg	2800 Kg
Logistics	No. Of Machines	No. Of Machines	No. Of Machines	No. Of Machines	700 No. Of Machines
20' Container	01 Open Top Container	01 Open Top Container	01 Open Top Container	01 Open Top Container	Not be Fitted
40' Container	03 in High Cube	03 in High Cube	03 in High Cube	03 in High Cube	03 in High Cube with Hopper Dismantle

### Options for various Models:

- 1) Single Bin Digital Weighing System
- 2) Two Bin Digital Weighing System
- 3) Three Bin Digital Weighing System
- 4) Four Bin Digital Weighing System
- 5) Automised Digital Water Feeding System
- 6) Automised Digital Admixture Feeding System
- 7) Batch Printing System
- 8) Centralized lubrication System.

# The unbeatable range of batching machines

## RM800 ( Premium Model )



As the part of our corporate mission to simplify construction, we proudly introduce the premium model of reversible mixer named ‘Premium RM 800’. This model owns the unique feature of being fully automatic. The prime most features of the machines can be.

**Categorised as:** | Fully Automised | Digital Weighing System | Automised Water Control System | Automised Admixture Dozing System | Printing Facility

RM 300 machines are distinct designs best suited for small quantity of quality concrete required for special purposes such as column filling etc. The other unique

**features are:** In Built Digital Weighing System



RM 300

## Allied equipment used



Aggregate 1, Aggregate 2 and Sand can be used to feed Reversible Mixer with the help of Belt Conveyor Feeding System.

Aggregate Feeding System

Cement Screw Conveyor system can be used to feed cement to the mixing unit.

Cement Screw Conveyor



## Unmatched quality and performance to suit requirement of concrete



Unimix with Concrete pump



Unimix with Tough Rider



Unimix with Tower crane



Unimix with Concrete Conveyor and Transit mixer

www.uscindia.co.in

# WORLD-CLASS. HIGH-TECH. END-TO-END.

## UNIVERSAL CONSTRUCTION EQUIPMENTS SOLUTIONS.

- 75+ Offices Pan-India
- Export to over 45 Countries
- Three Manufacturing Plants at Pune, Satara and Rudrapur
- India's Largest Portfolio of over 50 Concrete Equipments
- India's only Concrete Equipments Company with R&D Facility recognized by The Govt. of India
- India's only Concrete Equipments Company with Robotics Manufacturing Facility
- In-House Training Center approved by CIDC

### WORLD-CLASS SOLUTIONS ACROSS 11 CATEGORIES

BATCHING PLANTS	CONCRETE PUMPS	TRANSIT MIXERS	VERTICAL HANDLING EQUIPMENTS	REVERSIBLE MIXERS	MINI DUMPERS	CONCRETING EQUIPMENTS	BLOCK MAKING EQUIPMENTS	BAR PROCESSING EQUIPMENTS	SAND PROCESSING EQUIPMENTS	EARTH COMPACTING EQUIPMENTS
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**MAKE POSSIBLE**

**UNIVERSAL** SALES CORPORATION  
LARGEST SELLING CONSTRUCTION EQUIPMENT

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