

Mobile Concrete Mixer from India to the World



Global opportunity for concrete Mixing and Transport Equipment
indigenously invented and protected under patents in INDIA.

Background & Opportunity

Europe, UK, US, CIS countries, Gulf, African Market, South America, and almost all over the world.

Why the above Target Market?

All the above markets, employ **mobile volumetric Concrete Mixers** installed on trucks to produce and transport concrete.

All the above Markets use only **Two aggregates, one cement, water and chemicals** to produce concrete by using truck-mounted volumetric mixers.

There are **Huge techno-commercial benefits** with respect to a replacement equipment **especially made in India** as per this brief presentation.

Case Study UK- Ready-Mix Market

The Volumetric Mobile Concrete Mixers of various makes and brands **have taken considerable market share in UK** wherein there are **more than 40 RMC (Ready-Mix Concrete) manufacturers** who use **Truck-Mounted Mobile Volumetric Concrete Mixers** for commercial supply of concrete instead of the conventional RMC plants and Transit Mixer set ups. As on date the Mobile Concrete Mixers have taken over **12-15% market share** of the conventional RMC supply.

<https://www.ashvilleconcrete.com/>

<https://www.365concrete.com/>

<https://www.allmixkent.co.uk/>

<https://www.beatsonsconcrete.co.uk/>

<https://bordermix.co.uk/>

<https://www.bestmix.co.uk/>

<https://concretesingh.com/>

<https://www.derbyshireconcrete.co.uk/>

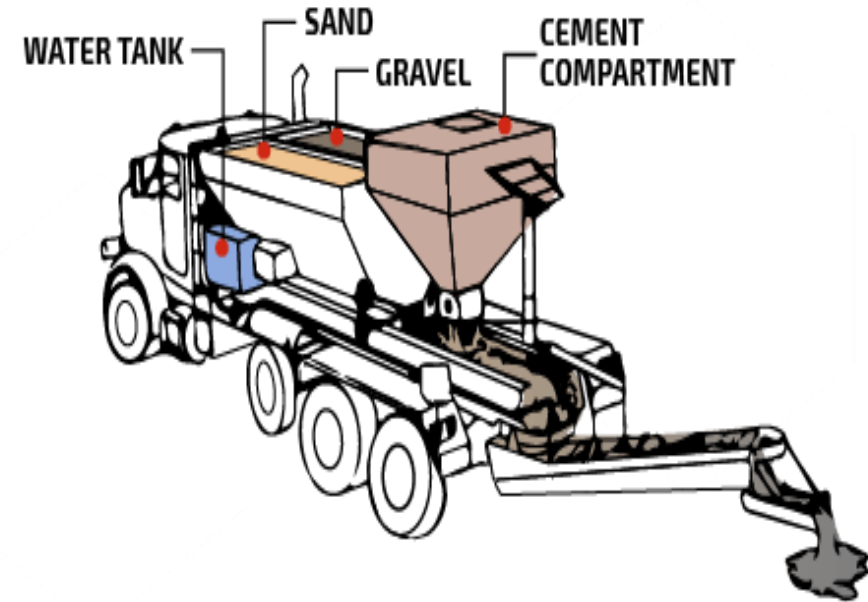
<https://dkconcrete.co.uk/>

Volumetric Mobile Concrete Mixers-Working Principle

The Volumetric Mobile Concrete Mixers have **two compartments for fine (Sand) and Coarse (gravel)** Materials. And **One Compartment for Cement**.

The fine (Sand) and Coarse (gravel) material compartments **share a common belt conveyor** at the bottom and each compartment is provided with a **manually adjusted gate to vary the volume flow** of each material.

The sand, gravel, cement, water and admixture are dropped at the bottom end of **a continuous screw mixer** and all are mixed to produce concrete when they come out of the open end of the screw mixer.



Please Note that the Continuous Auger Mixer needs to be suspended outside the vehicle with a complex hydraulic system for required discharge height.

Some Leading Manufacturers of Volumetric Mixers

<https://cementech.com/>

<https://www.zimmermanindustries.com/>

<https://bay-lynx.com/products/volumetric-concrete-mixers/>

[https://proallinc.com/?gad_source=1&gclid=CjwKCAiAq4KuBhA6E](https://proallinc.com/?gad_source=1&gclid=CjwKCAiAq4KuBhA6EiwArMAw1KsQfZB9Dx-QPUit1ORMdrdoASU9Z-Gx69L8s8bGymaT1q7_mEMSAhoCVfsQAvD_BwE)

[iwArMAw1KsQfZB9Dx-QPUit1ORMdrdoASU9Z-](https://proallinc.com/?gad_source=1&gclid=CjwKCAiAq4KuBhA6EiwArMAw1KsQfZB9Dx-QPUit1ORMdrdoASU9Z-Gx69L8s8bGymaT1q7_mEMSAhoCVfsQAvD_BwE)

[Gx69L8s8bGymaT1q7_mEMSAhoCVfsQAvD_BwE](https://proallinc.com/?gad_source=1&gclid=CjwKCAiAq4KuBhA6EiwArMAw1KsQfZB9Dx-QPUit1ORMdrdoASU9Z-Gx69L8s8bGymaT1q7_mEMSAhoCVfsQAvD_BwE)

TECHNICAL FEATURES OF VOLUMETRIC MIXERS

Concrete is produced purely on Volume by setting volume flows manually. Highly dependent upon operator skill. mix is not reliable comparatively with conventional RMC as the mixer is a continuous mixer with an open end. Too low discharge height of concrete produced. Auger mixer needs to be suspended outside vehicle which needs complicated hydraulic components and circuit which complicates the manufacturing process and increases cost.

Find out more at the PowerPoint Getting Started Center

(Click the arrow when in Slide Show mode)



IME- EXPORT SERIES MIXER ADVANTAGES

A new Concrete Mixer is disclosed having a fine material compartment (sand), a Coarse material Compartment (gravel), a compartment for cement wherein all three solid materials are raised to a much higher discharge height and batched on weight basis without human intervention and is in a compulsory batch type PAN mixer thereby eliminating the suspended Auger and giving a very high discharge height comparable to a conventional Transit Mixer Truck.

Technical Comparison

NEW EXPORT SERIES MIXER FROM IME

- All materials are **batched automatically without human intervention**. Without dependency on operator skill.
- Materials are calibrated and batched on **weight basis**.
- Materials are reliably mixed with water **inside a compulsory mixer having a discharge gate**.
- Since solid materials are discharged at a much higher height, a discharge height comparable to normal Transit Mixer is obtained. And the entire hydraulic circuit and suspended Auger Mixer outside the truck are eliminated.

VOLUMETRIC CONCRETE MIXER

- Material gates **need to be adjusted manually** every-time the Mix design is changed.
- Materials are batched purely on **volume basis**.
- Materials are mixed in a **continuous screw (auger) mixer** having an open discharge end.
- Since solid materials are batched and discharged on a belt at bottom, **material discharge height is very low** and hence need a **complete hydraulic system to lift the auger to even feed a concrete pump**.

Technical Comparison- Design & Manufacturing

EXPORT SERIES MIXER FROM IME

- Single Welded Structure & bolted compartments
- Simple Hydraulic Circuit
- Chassis adjustable for any truck brand
- All equipment on Truck- No suspended components unlike mixing augers.
- Design standard irrespective of Truck-Chassis used.

VOLUMETRIC MIXER

- Different sub assemblies of aggregate compartments, Cement Compartment and auger suspended hydraulically out of chassis on a pivot.
- Complicated hydraulic circuit with auger hydraulics
- No such adjustment possible, custom designed for each truck.
- Auger bottom end starting below the truck Chassis so each mixer design depends on truck chassis.

EXPORT SERIES MIXER

EXPORT SERIES MIXER FROM IME



VOLUMETRIC MOBILE MIXER

