



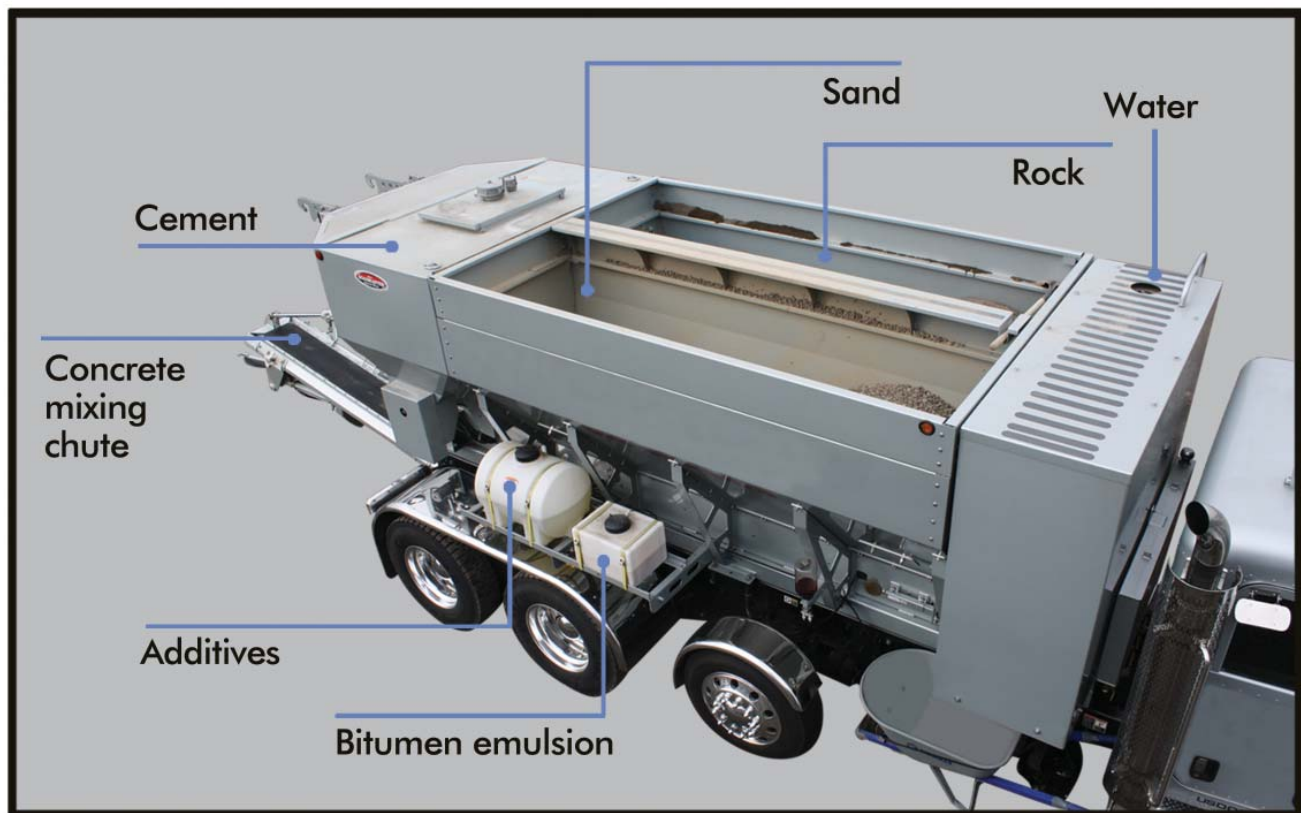
# Volumetric Concrete Mixers

Superior concrete mixers made in the USA



# What is a volumetric cement mixer?

A volumetric concrete mixer is the polar opposite of the traditional tumbler method of concrete mixing. With a volumetric mixer there are separate compartments for water, cement and aggregate. In addition there are containers for additional acids and other mix modifiers. With volumetric mixers you mix your concrete at the job site no matter where it is. With this on-site feature you never waste concrete and never have to deal with a "hot load" or the dreaded problem of a ruined mixer because your concrete set inside the mixer drum. Volumetric mixers are also more flexible. You can load up a truck the night before and head to a job site at a moments notice and with support vehicles you can keep on pouring throughout the day and night.



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# Why a volumetric concrete mixer?

## **OUTSTANDING MIX QUALITY:**

- Experts agree that the fresher the concrete is when applied, the stronger it will be, increasing the total quality. With a volumetric mixer, the concrete is made "on demand" or when needed, ensuring the freshest concrete possible.
- Volumetric Mixers are very flexible and can produce a 0-10" slump from the same load giving quality concrete on site to match a wide range of specifications. Mix designs can be changed quickly to accommodate, in a manner of seconds, any mix requirement.

## **LOWER EQUIPMENT & INITIAL INVESTMENT COST:**

- An investment in a volumetric mixer will normally be less than the investment in traditional methods employing a central batch plant with supporting drum mixers. The return on investment when compared to cost and production will strongly favor a volumetric mixer.

## **VERSATILITY:**

A volumetric mixer can be used as:

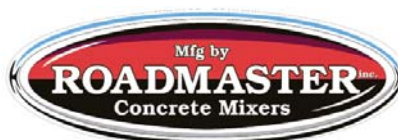
1. A stationary unit with a local power source (diesel, electric)
2. A mobile unit serving as an "on site batch plant"
3. A production on-site solution. Time and distance limitations that may apply to traditional methods do not apply. Concern of "hot loads" and water tempering are not applicable to the volumetric mixer.

## **SIMPLICITY OF OPERATION:**

- Volumetric Mixers are simple to operate.
- Full view of the control station and the flow of contents during the mixing process.
- Easily adjust water and admix flow as needed.
- As long as the aggregate, sand and cement bins are supplied, the volumetric mixer can produce concrete continuously at a normal rate of 60-yards per hour (this may be increased as required).

## **CONCRETE CAN BE ACCURATELY METERED**

- Volumetric mixers have a counter. This count is used to calculate exact volume or yield of concrete for separate deliveries to multiple job sites, regardless of the mix design.
- Where required, an electronic PLC monitoring system can be included to provide accurate details of the mix, similar to that offered by central batch plants. Every load can be monitored by time and date.



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# What are other benefits?

## **MODULAR DESIGN:**

- Best modular design in the industry.
- All major components are manufactured separately, painted and then assembled.
- Modular process requires exact tolerances. The result is a precision built, superior performing mixer.
- Component capacity upgrades and interchangeability of major components are easily accomplished.

## **CEMENT DELIVERY SYSTEM:**

- Our system is so accurate that it has passed the CALTRAN C 109 specification (cement content cannot vary more than a plus or minus .5% in four repeated tests).
- All cement contents can be completely emptied from the cement bin, as may be required.
- All Roadmaster concrete mixers are capable of performing at DOT specifications
- A hydraulic motor drives our cement delivery system (standard feature) giving our mixer infinite flexibility in design mixes and overall lower maintenance costs.

## **ADVANCED MIXING AUGER:**

- Our solid flighting and shear design enables our machine to produce and deliver concrete at a high angle.
- A Roadmaster concrete mixer can produce concrete at a full rate of delivery when the mixing auger is at a 45-degree angle (six foot end height), up to an 8" slump. This is extremely important if the unit is required to feed a pumper.

# Can concrete mixing be **green**?

***Yes, Roadmaster concrete mixers are: The green concrete solution of the future!***

We also bring the term "green" to your job site with many features and benefits. We're dedicated to becoming the green innovator for concrete mobile mixing and is dedicated to maintaining a safe environment.

### Features:

On site batch production  
Concrete on demand  
Greaseless iron man bearing

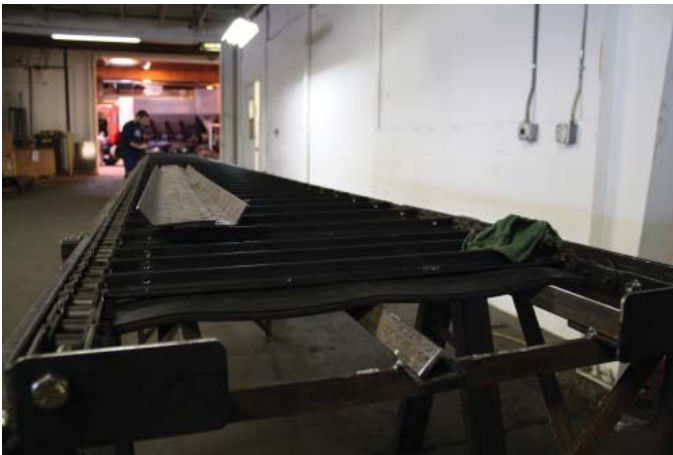
### Benefit:

Less traffic congestion, less batch plant emissions  
Less fuel wasted, no wasted load  
Less petroleum based products



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# Superior Roadmaster craftsmanship



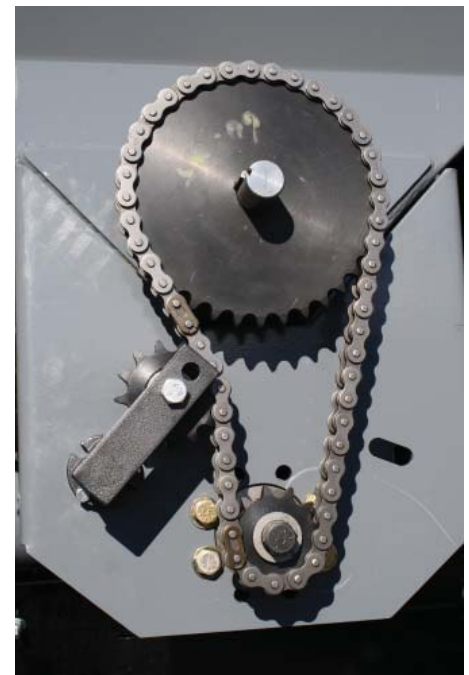
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# Mixer arm operation

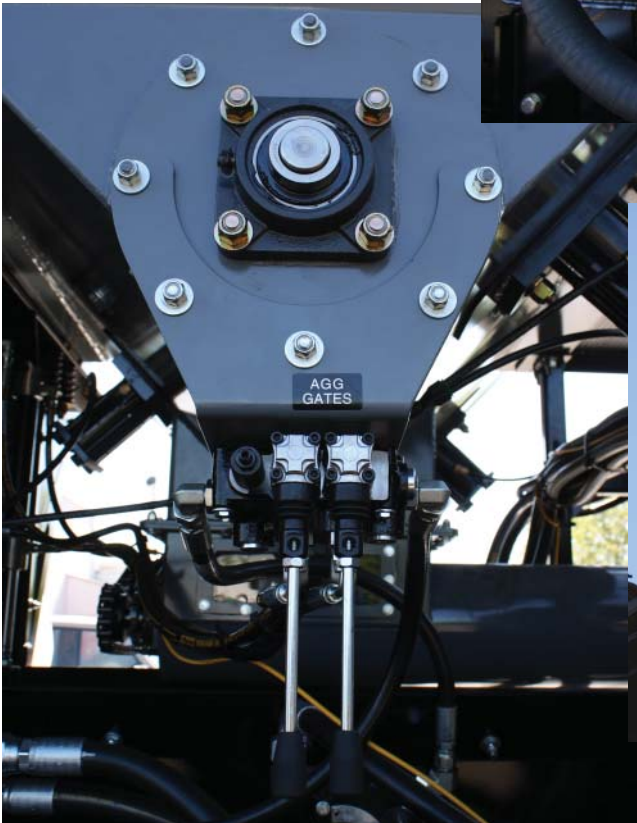
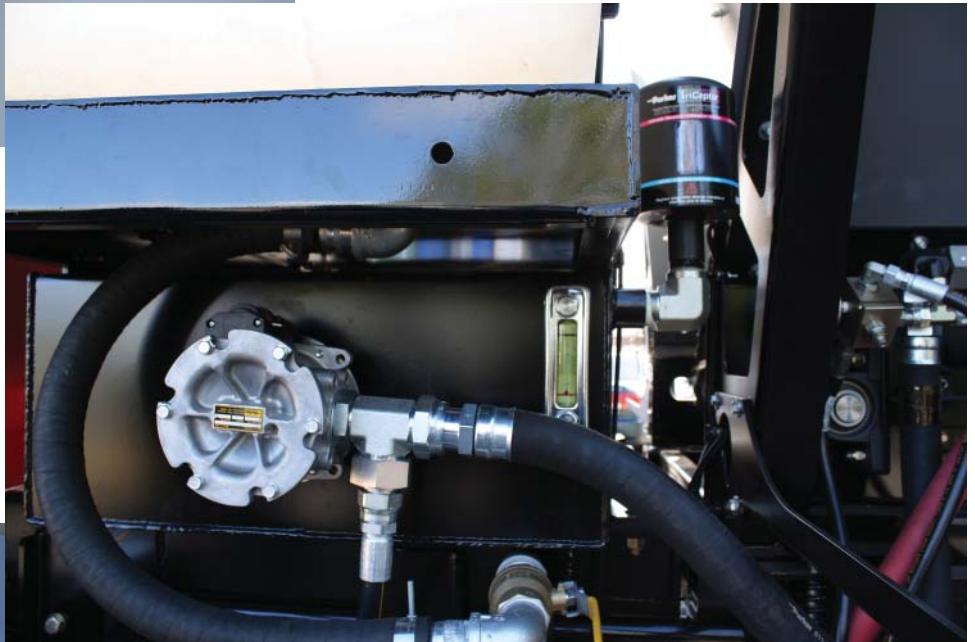


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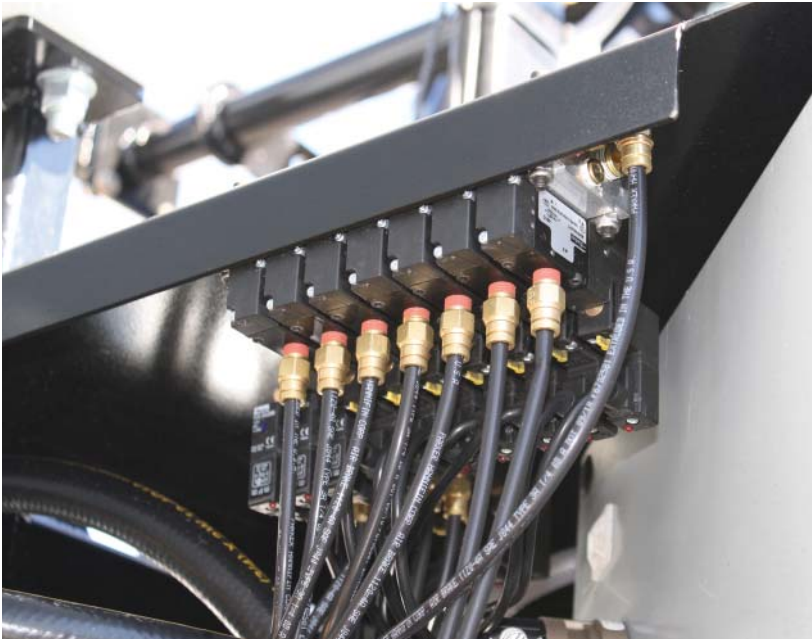
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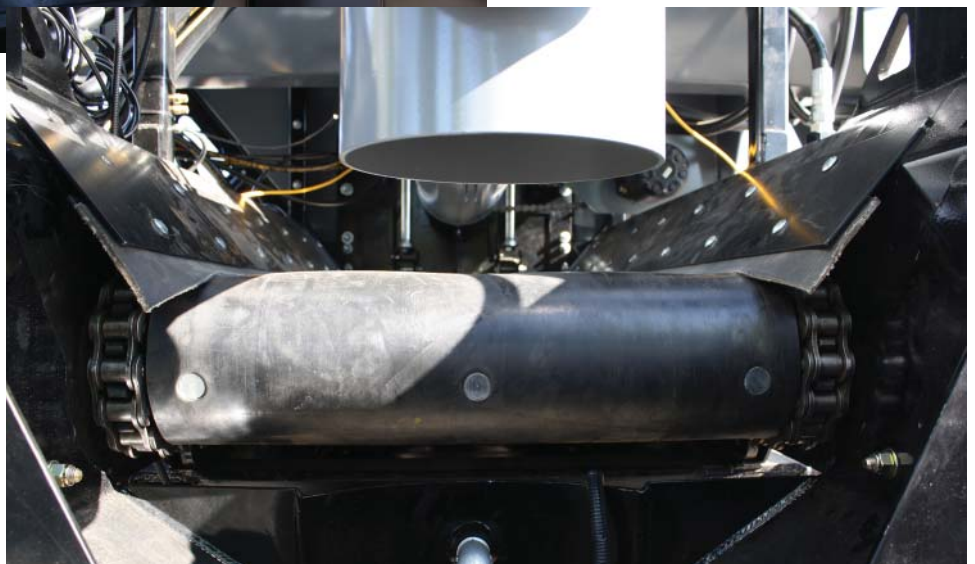


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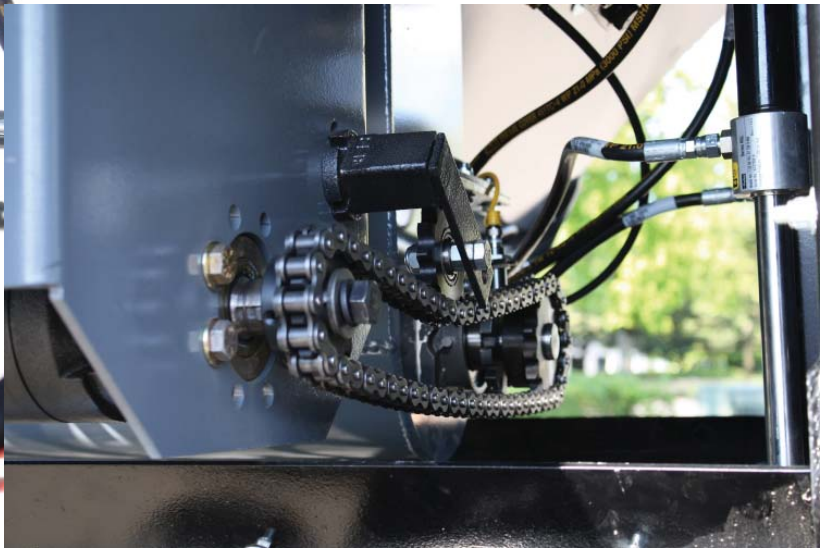
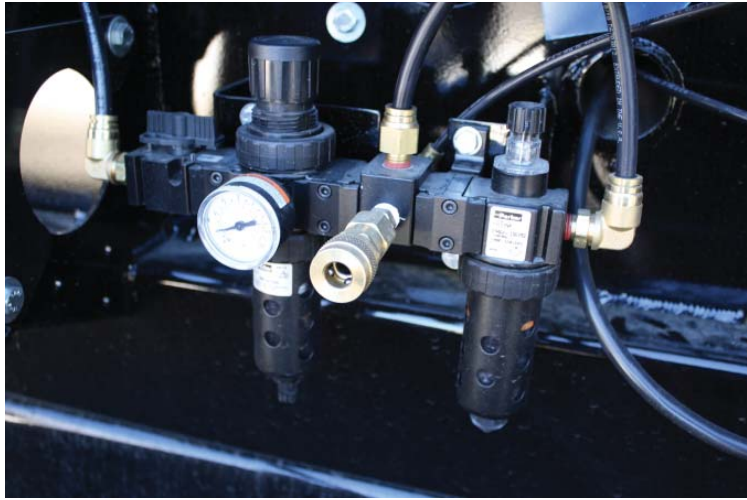


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# Customer Testimonials

Don't take it from us. See what our customers have to say about Roadmaster Volumetric Mixers!

## **REPUTATION AND SERVICE**

"Service, longevity and reputation — Roadmaster has been in business since 1974. They have a reputation for outstanding customer service — they stand behind what they make."

— D. King, Portland, OR

## **CUSTOM-BUILT AND 'USER-FRIENDLY'**

"I am extremely pleased with my mixer unit. The control panel is user-friendly, making it easy to operate. Roadmaster listened to my concerns and built the unit to fit my operation. I really enjoyed working with every person at Roadmaster."

— D. Miller, Hillsboro, OR

## **'CLEAN' DESIGN AND GUARANTEE**

"The cleanest design in the industry, made by a manufacturer who will stand behind their product."

— D. Meyer, Molalla, OR



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