

# Load and Go<sup>®</sup>

READY MIXED TRUCK WASH SYSTEM



DESIGNED AND BUILT EXCLUSIVELY BY

**SHUMAKER**  
I N D U S T R I E S

EST. 1953



# Load & Go Ready Mixed Truck

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## CONSISTENTLY CLEAN MIXERS

Because the entire process is automated, the Load & Go Ready Mixed Truck Wash System can be dialed in to address the mess your plant is making while batching. Better yet, this process can be duplicated on every mixer with every load. The Load & Go uses up to 108 different nozzles that direct 1000 PSI water jets to every inch of the mixer.

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## REDUCE “BOOT TO GATE” TIME

The Load & Go thoroughly cleans the mixer in less than one minute allowing your drivers to be delivering concrete and not wasting time in the yard. Additionally, the Load & Go eliminates the washdown area being the bottleneck even on dual lane plants. Clean from the gearbox to the back in 30 seconds (on a rear discharge mixer) and/or the entire mixer in less than one minute (front or rear discharge).

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## IMPROVES SAFETY

The Load & Go allows the driver to safely remain in the cab during the washdown process. This eliminates exposure to slips, trips and falls related to this process and makes the job of operating a mixer truck a little easier.



# Wash System: 5 Proven Benefits



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## CREATES LESS PROCESSED WATER

The Load & Go uses high pressure to blast the material off the mixer vs. the single hose using high volume to “flood” the build up until it washes away. The end result is 70-80% less processed water hitting the ground on every load.

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## REDUCE WET LOADS

By automating the washdown process the Load & Go consistently adds the same amount of water (6 gallons on a rear discharge, 7.5 gallons on a front discharge mixer) to the mix.

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# How the Load and Go Works

## FRAME AND SPRAY BARS

Frames are manufactured at our facility using aluminum and stainless steel, mounted on galvanized steel bases or concrete walls. Approximately 12' long x 15' wide footprint, including extended spray bars.

## MIXER POSITIONING SYSTEM

A series of electric eyes and lasers track the mixer as it is pulling through the wash rack. The system communicates the mixer position to the PLC which activates the correct wash sequence **only** when the mixer is in position. The mixer positioning system also communicates to the driver through an intuitive red/yellow/green signal light throughout the wash.



## AUTO-REFILLING WATER RESERVOIR

50 gallon reservoir with in line self-flushing filters.

## HIGH EFFICIENCY PUMP

45 gallon per minute pump creates enormous impact while minimizing water usage. This process creates 70-80% less processed water compared to a typical 5-10 minute manual wash down.



## 72 - 108 HIGH PRESSURE NOZZLES

These nozzles deliver 1,000 PSI water jets to the entire mixer. Nozzles are specifically designed and precisely aimed to remove cement dust and concrete build up from all areas of the mixer including the drum, hopper, chutes, fenders, and discharge blades in the drum.

## 270° VIEW LIGHT

Lets the driver know when to move or remain stationary as the wash process runs through the cycles.

## DEDICATED WHEEL WASH

High pressure turbo nozzles are directed to remove material from the wheels, sidewalls and fender as the mixer passes through the wash system exit cycle.



## PROGRAMMABLE TOUCH SCREEN WITH WINTERIZATION MODE

Easily program your wash for maximum efficiency using the LCD Touch Screen Control Center. Program more than one option to accommodate front and rear discharge mixers.



# Load and Go®

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## Model LG2200

**MORE OF WHAT YOU LOVE ABOUT THE LOAD AND GO, AND THEN SOME.**

- More programmable flexibility, increasing the “angles of attack”
- Same footprint as the LG1800, but with more power and control
- Dual cantilevered frame, increases coverage by 63%
- 10 solenoids vs 4 on the LG1800
- 50% more nozzles totaling 108
- Custom machined rotating nozzles

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EST. 1953

## Why the LG2200 is Better



### 50% MORE NOZZLES (72 TO 108)

Not just any nozzles...After researching and documenting the impact pressure and range of the hundreds of nozzles available, our engineering team selected the ideal nozzles to clean every part of the ready mixed truck. The LG2200 uses a combination of fanned out, direct bore, hydro knife, turbo and rotary nozzles which creates the most efficient ready mixed truck wash to date.

### INCREASED NUMBER OF SOLENOIDS

The results of going from 4 solenoids on the LG1800 model to 10 solenoids on the LG2200 is arguably the most influential change and can be seen by two areas of improvement:

- Creating 6 additional groups of nozzles allows for a more precise top-down and front-to-back wash while the mixer is in the stopped position. This creates the effect of a moving gantry-style wash without having moving parts.
- Fewer higher flow nozzles per cycle dramatically increases the range and impact pressure resulting in a system that cleans more in less time, while using less water.



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SCAN THE QR CODE TO  
SEE A LOAD AND GO  
IN ACTION!

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# What Our Clients Are Saying



"I can confidently say that automating the washdown process keeps our fleet looking better, gets our mixers out of the gate more quickly, and has greatly helped with the processed water issues we were having.

The Load & Go has been a good investment and we look forward to adding several more in the near future."

**Jeff Cathey**  
Maschmeyer Concrete  
Lake Park, FL

"We put our Load & Go in after seeing it at the World of Concrete. The biggest return we have seen is the ability to get the loaded trucks out of the yard fast. Plus Q.C. has an easier time dealing with one plant operator to keep the slump accurate without drivers adjusting each load."

**Joe Zignego**  
Zignego Company  
Waukesha, WI

"We have calculated time savings of over 12 minutes per load since we installed our Load & Go under our central mix plant. We are getting a lot less wet loads and creating a safer work place for our drivers. Putting in a Load & Go was a great idea!"

**Buddy Jenkins**  
Allied Concrete Co.  
Charlottesville, VA

"At first some of the more veteran drivers were skeptical, but once we got our Load & Go dialed in... it didn't miss a spot. Now the drivers love the Load & Go and I love seeing clean mixers leaving the yard instead of 3-4 drivers washing down with a hose at the slump rack."

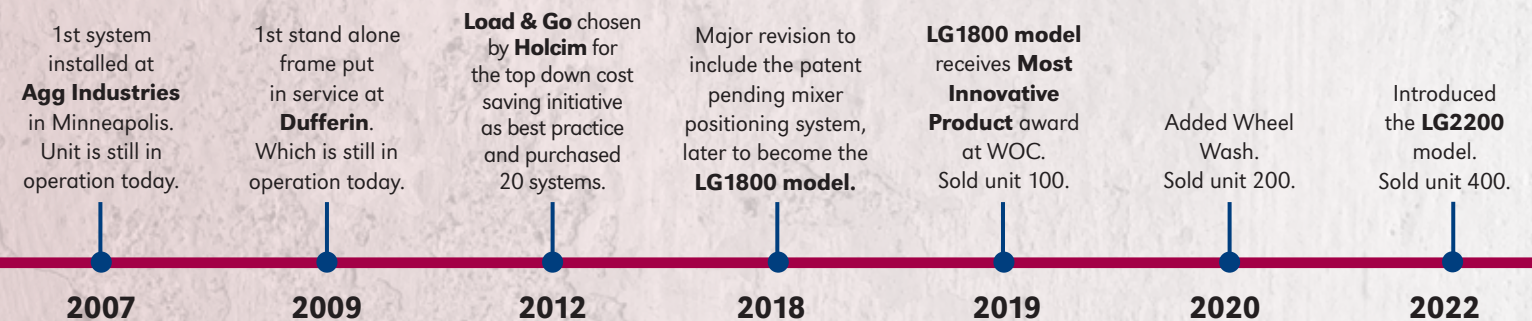
**Roger Lawshe**  
Sierra Ready Mix  
North Las Vegas, NV

# History of the Load & Go

"We truly believe that the Load & Go concept is a gift from God and we thank Him for His blessing. We also want to thank our current customers for testing prototypes, offering suggestions/feedback, and trusting in us to keep their fleet looking good. It is this trust that inspires our team to build the highest quality, most capable equipment that we could dream up. Today the Load & Go Ready Mixed Truck Wash System is that dream."

**Brett Shumaker**  
Shumaker Industries

## From napkin drawing, to proven concept, to Industry Best Practice.



## Providing solutions to the ready mixed industry for 70 years.

Shumaker Industries is a genuine American success story. Roy Shumaker spent World War II welding in the Baltimore shipyards. After being discharged from the Navy, he worked building underground storage tanks. A friend had some ready mixed concrete drums that needed repairing, and Roy agreed to give it a try. After a few years of doing these small repair jobs, Roy realized that he could do this full-time and started his own business.

In January 1953 Roy and Jean Shumaker moved to Northumberland, PA and founded the Norry Welding Company. Norry Welding specialized in rebuilding concrete mixer drums in the Mid-Atlantic region, and was the first company to specialize in fabricating drums for all makes & models of mixers. Roy retired in 1979 and his son, Doug, became president of Norry Welding. In 1989 Doug decided to change the company name to Shumaker Industries and expand the business. As the dream continued, the company opened a branch in Greenville, South Carolina to serve the southeastern region of the United States and eventually diversified into producing all new mixer drums. Today, Brett Shumaker is the third-generation owner of the business and has had the privilege of leading the company's diversification by introducing the completely automated **Load and Go Ready Mixed Truck Wash System.**®



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MADE WITH PRIDE IN AMERICA BY A COMPANY WITH 70 YEARS EXPERIENCE IN THE READY MIXED INDUSTRY



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