

Kraft assists with Zim-Mixer Z Class Concrete Mixer Upgrade

Kraft experts enhance Zim-Mixers' automation for improved concrete accuracy and on-site maintenance support.



Zim-Mixer Z Class Series

Zimmerman Industries, Inc., revolutionized the traditional way of delivering concrete with its Zim-Mixer, Z Class, volumetric concrete mixers. With help from

Kraft, the new model features enhanced automation to improve concrete accuracy, increased diagnostic capability for service and maintenance, an electronic interface for the hydraulic system and digital information transfer.

Challenge

Zimmerman needed to automate the truck's user interface to offer a consistent, repeatable operation that didn't require a lot of user experience. They also wanted to replace an antiquated Digital Print System for a more efficient way to create, store and download recipes, and print receipts. In addition, they wanted to add advanced warning capabilities with the ability to store and retrieve them.

Solution

Zimmerman worked with Kraft to design and implement a Wachendorff A6 display to enhance the selection and downloading of recipes to help eliminate operator error. They also implemented Danfoss PLUS+1 controllers to monitor all system parameters for optimal performance, accuracy and repeatability.

Results

The Zim-Mixer Z Class assists operators in the proper setup for pouring concrete on every job, while reducing waste, unnecessary downtime, mistakes and labor costs. The upgrade increases efficiency on the job site, while boosting customer service and overall productivity.

HIGHLIGHTS

CLIENT NAME

Zimmerman Industries, Inc.

LOCATION

Ephrata, PA

PROFESSIONAL SERVICES

- Engineering and software design
- Field sales
- Application field testing

EQUIPMENT SPECIFIED

- Wachendorff A6 Display
- Danfoss PLUS+1
- Danfoss PVG32
- Danfoss cartridge valve manifolds
- Danfoss OMS motors with EMD
- HMI Systems 8 and 12 button keypads

RESULTS

- Eliminates 80% of operator errors
- Easier tracking, monitoring of material and concrete poured
- A straightforward calibration mode
- Improved hydraulic speed control, monitoring to maintain accuracy

CLIENT QUOTE

"Customers truly appreciate how easy it is to use, allowing operators to produce accurate concrete at the push of a button. Owners value the savings realized through increased efficiency and reduced waste. Our customers are very satisfied with the results they are encountering."

-Jerry Stoner, President
Zimmerman Industries