

Arrow Concrete Project

Better than ever.

Over half a century ago, the husband and wife team of Carl and Bertha Burkhart founded Arrow Concrete in Connecticut. Today, not only is Arrow still managed by the Burkhart clan, they've grown bigger than ever. And with a little help from ACT, more productive than ever, too.



Project Highlights

- *Twin Mixer Plant layout provides maximum efficiency for wet-cast and dry-cast operations*
- *PCS control records each batch produced – critical for DOT specifications*
- *Crane bucket operator calls concrete batch via radio remote*
- *Temperature probe on mixer alerts operator if concrete temp is out of desired parameters, important for double pouring especially in winter conditions*
- *Consistent concrete even with varying aggregate moisture levels*
- *No loader operator required (for plant savings)*
- *Plant will not run out of cement, and silos won't be overfilled unnecessarily*
- *Automatic mixer cleaning system means labor savings, extended production day, better maintained equipment and happier employees*
- *Second discharge door on HPGM 1125 can be used to augment wet-cast production should production demand extra output*
- *Plant designed for SCC wet-cast production*
- *Microwave technology assures consistent, reliable w/c ratio*



WE ADD PROFITABILITY TO THE MIX.

Arrow Specs

MobilMat MO80 - MO45 - 5 - PCS

HPGM 2250 planetary mixer (for wet-cast) with 2 CuYd output

HPGM 1125 planetary mixer (for dry-cast) with microwave probe and 1 CuYd output

5-compartment, 250 ton aggregate storage bin

Hydrotester aggregate moisture probes for automatic aggregate moisture correction

HYDROMAT automatic microwave water metering

Reversible weigh belt with drive on each end, serving dry-cast and wet-cast

In-ground truck dump hopper (inside the building)

Two cement silos for cement and fly ash, with continuous level indicator cable for accurate inventory levels

Automatic mixer cleaning systems on both mixers

Radio remote call station

PCS control automation with costing and maintenance reminder & reporting

Upgrading two facilities.



Three years ago, President Kurt Burkhart, and his brother and Vice President, Ronald, decided they'd outgrown their modest facility and needed to upgrade. And with the new facility came all new equipment, too. They hired ACT to install a Wiggert MobilMat MO80 - MO45 - 5 - PCS twin mixing/batching plant. Aside from allowing stripping, set-up functions, and casting (both dry-cast and wet-cast) to take place simultaneously for production flexibility, the ACT plant also features state-of-the-art data gathering. Everything from recording the production of every batch, to self-learning "in flight" correction capabilities provide all the automation and information they need.

Ultimately, the Burkharts believe the new equipment from ACT will be a huge factor in the continued growth of the family business. "It has let us increase production, cut labor, gain productivity, and increase the quality," says Kurt, adding "and I don't say that lightly, because our quality was very good before the new plant."

