



# CUSTOM BATCH PLANT & MATERIAL HANDLING SOLUTIONS



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# WHATEVER YOU NEED DELIVERED

Established as a small group of concrete industry craftsmen in 1940, Standley Batch Systems, Inc. has grown into a complete and diverse plant manufacturing company. Our presence has expanded from Southeast Missouri to beyond America's borders.

Our location affords us ample space to produce and design entire plant structures from start to finish. All Standley Batch plants are made in the USA.

As leader of the concrete material handling industry, we take pride in our deep-rooted history shaping materials to fit many manufacturing needs — no matter the field.

While our services are primarily associated with concrete paver and concrete block plants, precast and prestressed concrete, ready-mix concrete plants, dry-mix concrete plants and bagging plants, we've worked with a variety of unexpected material producers to develop solutions that exceed expectations.

## Give us a challenge.

Whether your plant is limited on space, requires complex color blending or needs modern parts retrofit to an existing plant with commanding power, the experts at Standley Batch Systems, Inc. will find or invent a solution.

## WE LEAD the CONCRETE MANUFACTURING WORLD in

- Total plant customization
- Complete system design
- Integrated material handling



# PLANT DESIGN

Not only can we start your company's new plant from scratch, we can create a custom solution to enhance your current plant's needs and design specifications. We meet the needs of the following plant designs:

- PRESTRESSED ■ PRECAST ■ BAGGING
- CONCRETE BLOCK/PAVER ■ FRAC SAND ■ READY MIX/DRY MIX

Don't Let the  
**ONE-SIZE-FITS-ALL**  
Crowd Fool You.

For superior results from your production, let form and function develop around your end goals.



# NEW & RETROFIT

## Our **CUSTOM PLANT OPTIONS** include

### CONVEYORS

Our conveyors ensure you receive an accurate discharge of aggregate when and where you need it. We can modify our conveying standards based on your plant's required layout.

### MIXERS

We stock and distribute **rapid** Pan, Twin Shaft and Planetary mixers.

### AGGREGATE BINS

We can build high- or low-profile aggregate bins in the size and capacity needed for your materials.

### CEMENT AND FLY ASH SILOS AND CEMENT BATCHING

Fitted with aeration pads, emergency slide gates, blow pipes complete with Kamlock adapters, PVR manways and dust collectors, our silos come in many sizes and capacities.

### AUTOMATION/CONTROLS

We offer fully automated and totally coordinated systems with control panels to bring all stages of manufacturing — storage, measuring, blending and delivery — together to make your entire system efficient.

### COLOR

Our comprehensive Color Batch Systems can be designed to serve up to four mixers and deliver whatever you need in terms of color mix, batch size and speed.

### REPLACEMENT PARTS

Standley Batch is your best source for **rapid** replacement parts for mixer paddles, liners and all other Standley concrete batching equipment.

We approach each project with our **EXPERIENCE** derived from nearly **100 YEARS** in the industry and apply our **KNOWLEDGE** to your unique situation.

# AGGREGATE CONVEYING SOLUTIONS

## WEIGH BELT

- Weighs aggregate batches before transfer to mixer
- Supplied with feeder skirts and belt scrapers

## FLEXWALL CONVEYOR

- Conveys materials while only taking up one-third the space
- Range of incline from flat to vertical

## SHUTTLE CONVEYOR

- Delivers material to multiple bins

## MUD CONVEYOR

- Transferring of mixed product
- Aids with delivery, blending and metering

We offer conveyor systems that include a full line of truss and channel frame conveyors, aggregate distributors, mixer charging skip hoists, weigh belts and advanced aggregate distribution systems.

With strategy in mind, we determine based on **YOUR FINAL VISION** how our products should be formulated.

Our advanced customization options include

- in-line screening systems
- pocket belts
- shuttle belts
- rotating/pivoting/indexing conveyor systems



# MIXING SOLUTIONS

## PLANETARY MIXERS

The Planetary mixer produces quality homogenized mixes and outputs. It is ideal for small and large applications, precast, prestressed and concrete paver applications and mixing semi-dry colored concrete.

### AT A GLANCE

- Easily accessible motor and gearbox
- Compact design
- Great for small plants
- Perfect for precast, brick, glass, mortar, clay and more
- Optional extras such as starter panels, door proximity switches, a washout system and more
- Large output capacities range from .5 yds<sup>3</sup> to 4 yds<sup>3</sup>.

## TWIN SHAFT MIXERS

The Twin Shaft mixer offers a robust and compact design with thorough mixing of all aggregates. The Twin Shaft mixer is ideal for ready-mix plants, precast plants and prestressed concrete plants.

### AT A GLANCE

- Fully integrated access and inspection hatches
- Features heavy duty hydraulic-powered rams
- Ensures homogenous mix in reduced timeframe
- Maintenance-free driveshaft coupling for flawless synchronization of gearboxes
- Perfect for precast, brick, glass, mortar, clay and more
- Optional extras such as starter panels, door proximity switches, a washout system and more
- Large output capacities range from 4 yds<sup>3</sup> to 6 yds<sup>3</sup>.

## PAN MIXERS

The Rapid Pan mixer is a high-capacity concrete mixer ideally suited for the ready-mix industry.

### AT A GLANCE

- Features durable chill cast wear sleeves and paddles
- Keeps all materials in constant motion
- Ensures homogenous mix in reduced timeframe
- Maintenance-free driveshaft coupling for flawless synchronization of gearboxes
- Perfect for precast, brick, glass, mortar, clay and more
- More than 12 different add-on options
- Large output capacities range from .75 yds<sup>3</sup> to 5 yds<sup>3</sup>.



# STORAGE SOLUTIONS



## CEMENT SILOS

*Proudly designed and fabricated in Missouri by Standley Batch Systems, Inc.*

No matter if you're in the market for a new plant or looking to add more storage to your existing plant, we will find a way to make it happen as well as ensure compliance and safety requirements are all met.

With a wide variety of sizes, capacities and features, contact us for a full detailing of your plant.

### STANDARD SILO FEATURES

- Pressure/vac relief valve
- Inside ladder and access through pressure/vac relief valve
- Structure built to customer specs. Drive through and non-drive through structure
- Outside ladder/cage, top handrail and toe board
- Discharge gate to customer specs
- Jet pulse dust collector
- Variety of color options; standard color - Standley Gray

### OPTIONAL FEATURES

- Overfill system
- High- and low-level indicators
- Split compartment silos
- Double/triple discharge
- Screw conveyor

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## AGGREGATE STORAGE BINS

STANDLEY BATCH SYSTEMS, INC. designs, fabricates and manufactures a full range of aggregate storage bins from square, round and stack-up bins with a wide range of tonnage capacity.

Our customizable bins come in a variety of shapes, sizes and styles.

Aggregate bins are compliant with industry standards and safety, including your specific wind or seismic requirements. We offer aggregate storage bins as part of our total customization or retrofitting program.



# COLOR SYSTEM/ PIGMENT BLENDING

Perfectly Mix And Blend  
Different Colors of Concrete

Add the **Standley Multi-Flow Color System** to your batching plant for fast and accurate color dispensing. Perfect for mixing powders or granules, our system allows you to switch between the two with zero modifications or downtime. From blocks and pavers to precast panels and bagged mixes, **we have you covered.**

*Proudly designed and fabricated in Missouri by Standley Batch Systems, Inc.*

**FAST** – Variable/speed batching

**LARGE VOLUME PRODUCTION** – System holds up to 250 lbs. slurry or 150 lbs. g-grade or c-grade dry

**QUICK FORMULA CHANGEOVER** – Complete cleanout possible after every batch thanks to stainless steel construction and rinse ring on the blending vessel

**VERSATILITY** – Mixers can be located as far as 80 ft. away and 40 ft. above the dispenser vessel

**READY WHEN YOU ARE** – Stores up to 400 color formulas at capacity, with optional expansion

**ACCURACY** – Each batch is individually weighed for consistent color batch after batch

**EASY DISPENSING** – Material is dispensed to each mixer by flexible or rigid tubing

## Make your color system work for you.

### Options include

- Transportable hopper dispensing
- Bulk bag hanger dispensing
- Dry pigment bagging station
- Dry/slurry slide rack dispensing
- Ready-mix systems
- Paver block systems
- Single or double feed systems





# AUTOMATION PLANT CONTROLS

Plant automation allows for

- Precise control
- Easy data processing
- Reliability
- Removal of guesswork
- Support for new or existing plants



## ■ PLANT CONTROLS

### **BATCH PLANT CONTROL SYSTEMS**

We offer a full range of control systems configured to your application. Our systems can be customized to your needs with a variety of configurations and options, such as touch-screen and/or computer-based interface, web-based remote diagnostics and service, electronic database data collection, printing, Industrial Ethernet connectivity, remote i/o drops, plant floor call boxes and more. Batching control systems also feature an industrial PLC (programmable logic controller).

### **FIELD CONTROL DEVICES**

We have a full line of field control devices for every application – aggregate and mixer moisture control, level indication, web-based plant monitoring, aggregate handling, concrete color handling and more.

### **IMPROVE CONCRETE QUALITY**

With our integrated aggregate bin moisture control, you can accurately measure and compensate an aggregate weighing system with true weights. Aggregate bin moisture control improves the quality of concrete, delivering the proper yield of aggregate and correcting batch recipes.

### **IMPROVE CONCRETE PLANT PERFORMANCE**

We can help you accurately measure the dynamic moisture level of the concrete inside the mixer. Our mixer moisture control is tailored to improve plant performance.

■ IN-STOCK PARTS

# IN-STOCK PARTS

At **STANDLEY BATCH SYSTEMS, INC.**, our collection of in-stock parts will keep your production up and running.

**Here are just some of our in-stock parts:**

- Calm gates in all sizes
- Hydronix moisture probes for aggregate and supply mixer probes
- Air impact and ball vibrators, assorted sizes
- Rapid mixer parts
- Conveyor idlers and pulleys
- Conveyor drive parts, gearboxes, electric motors, sheaves, mounting and guarding
- Bearings for many applications
- Pressure relief valves
- Anti-overfill silo kits
- Hinged manway access covers with or without pressure vacuum settings
- Butterfly valves with air cylinders, air actuators and manual operation
- Water meters, valves and supplies
- Dust collector for many applications
- High/low-level indicators for silos and bins
- Air vibrators and solenoid valves
- Safety cages and ladder sections
- Air regulators, filters, water traps, oilers
- Replacement conveyor belt
- Replacement belt skirt





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