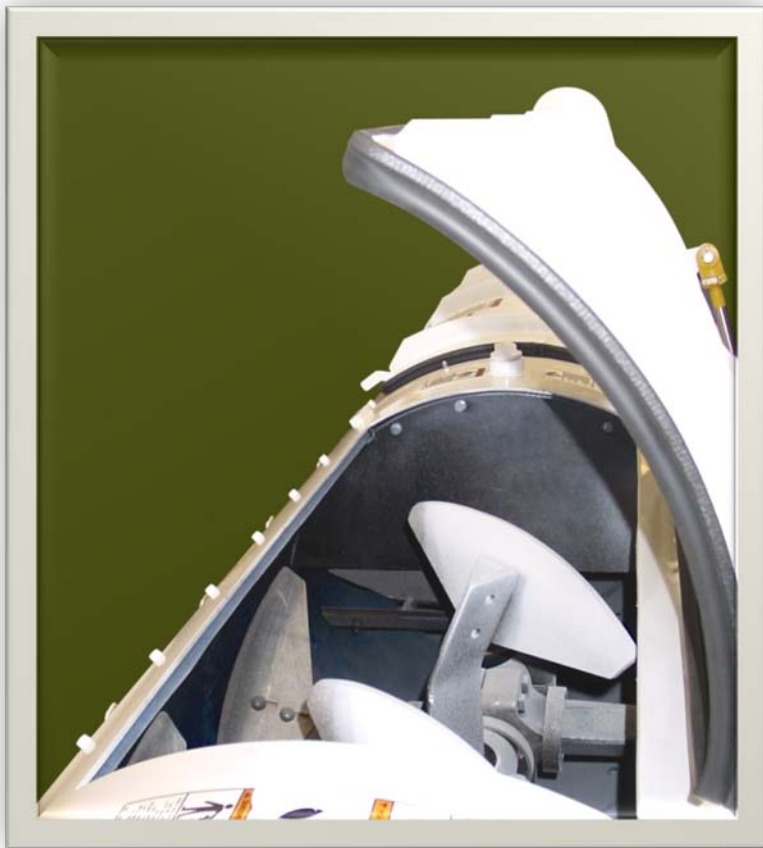


Fly Ash Conditioning System



Case Study

Marion Mixers, Inc.

Conditioning & Mixing

Recycled Fly Ash

Coal Mining Industry

Chooses Marion Mixers

Marion Mixers has experience processing both Class F and Class C ash. Marion's batch & continuous mixers are ideally suited for conditioning fly ash while containing fugitive dust during the stabilization of waste materials. Other successful applications include: high-grade pozzolan for portland cement production, structural fills and embankments, additives for wetted concrete products, fertilizer from neutralized sewage sludge, gypsum from flue gas desulphurization systems, filler for construction used in lightweight aggregates and resins and in the production of reusable high-carbon fuel.

The Marion Mixer fly ash conditioning system was designed to blend various biosolids as well as condition fly ash with water to allow the materials to be transported without emitting dust.

Marion Mixers custom designs fly ash conditioning systems that provide:

- A safe, enclosed operation
- 65,100 and 135 TPH volumetric proportioning and continuous mixing
- Fly ash at 10-15% moisture
- In a consistent homogenous mix



Features/Benefits

- **Continuous mixing process**
Improves productivity per hour with less horse power
- **360° cylindrical trough**
Eliminates pockets of un-mixed ingredients
- **Paddle style agitator with back-mix**
Produces homogenous mix without clumping
- **Flexible wear-resistant liner**
Provides smooth, seamless protection for 300° of trough
- **Trough cleaning actuators**
Deflects trough build-up without scraping
- **Dual-zone mixing chambers**
Traps airborne dust within mix chamber air-lock
- **Adjustable, abrasion-resistant blades**
Allows quick, easy maintenance of wear components
- **Hydraulically actuated access doors**
Ensures a safe, dust tight seal with easy access

Features Gallery



**Cylindrical Trough
Provides Clean-Out
of 360° of the Interior
Trough Surface
Reducing Build-Up**



**Heavily Constructed,
Dust-Tight Doors for
Safe Operation and
Positive Positioning**



**Custom Designed
Inlets Provide Safe
and Easy Ingredient
Loading Into the
Mixer**



**Paddle-Style
(Field Adjustable)
Agitator Produces
Free-Flowing
(Dust Free) Powder**



**Hydraulically
Actuated Access
Doors for Safe,
Opening and Closing**



**Easy-Clean
Air-Actuated
Type E
Stuffing Box Seals**

**Dependable Heavy
Duty Motor "A True
Workhorse"**

**50 Hp. Shaft-
Mounted Gear
Reducer Allows
Extra Horsepower
When Needed**

[Contact Us](#) and a Sales Engineer specializing in Recycling and Waste Product mixing will answer your questions and assist you on your project.