



SSI TECHNOLOGY, INC.

Specialists In The Application Of Process and Packaging Equipment



Marion Mixers - Selling Versatility

Versatility is an intangible benefit that we offer.

Marion paddle style mixers provide our customers **versatility** that many of our competitors cannot offer. For example:

Paddle style agitators are designed to mix solids, pastes and slurries with ingredients of dissimilar size, shape and density. This is not the case for horizontal ribbon or vertical cone style mixers.

Paddle style mixers provide the same mix efficiency with batch sizes ranging from 20% to 100% of the capacity of the mixing vessel.

Bolted style agitators can be configured to accommodate future changes in ingredients (assuming sufficient horsepower is

designed into the mixer). Arms can be doubled to provide additional mixing. Batch capacities can be increased by adding shorter, intermediate arms with reversing blades to level the product load in the mixer. Low profile blades can be added to conserve horsepower. Welded style plow and fluidized bed mixers do not offer this flexibility.

Welded style agitators are available for food grade and sanitary construction. Typically welded paddles are also furnished with welded style agitators. Mixing efficiencies and cleanout capabilities are maintained.

Ribbon style agitators are available for special applications. An example being a hi shear food product.

High-Speed Choppers are an effective way to break-up agglomerates or disperse minors. Tulip and stacked knife blade designs can be changed in the field to accommodate future product needs. Competitive designs without removable shaft extensions cannot offer this versatility.

Variable speed drives allow our customers to slow the "tip speed" of the agitator to reduce breakage of friable ingredients or splashing of liquids. The very same agitator can be used at high speed to aerate product for drying, cooling or coating. Competitive designs are often limited to only one production process.



Sanitary Batch Mixers

Marion Mixers is a custom-fabrication manufacturer. They can build virtually any diameter or length of mixer in a variety of finishes to accommodate almost any processing application. Marion equipment is designed to improve productivity by consolidating manufacturing processes into a single vessel. The following accessories allow our customers to do more

than just blend ingredients:

ASME Code-Rated Jackets are suitable for steam, hot oil, chilled water or glycol and are also available in vinyl protected and closed-cell insulations.

Electrical Panels that are custom designed, assembled and tested before shipping including explo-

sion-proof and wash-down designs.

Load Cell Weigh Equipment that can provide accurate batch controls while the mixer is rotating.

Pumping Systems with variable speed controls and atomization nozzles for uniform coating of ingredients or dispersion of liquids without formation of balls.

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Shape



Typical U-Shaped Through Mixer



Cylindrical Mixer

Agitators



Bolted Paddle



Welded Paddle



Ribbon

Acrison[®]

Website: www.acrison.com

AFC
POWDER HANDLING SOLUTIONS

Website: www.afcsolutions.com

 **Bauermeister, Inc.**

Website: www.bauermeisterusa.com

 **coperion**
confidence through partnership

Website: www.coperion.com

GEA

Niro Inc.

Website: www.niroinc.com

Barr-Rosin

Website: www.barr-rosin.com

HSI Hawthorne Systems, Inc.

Website: www.hawthornesystems.com

KAMFLEX[®]

Website: www.kamflex.com

Marion Mixers

Website: www.marionmixers.com



MACHINE AND PROCESS DESIGN, INC.

Website: www.mpd-inc.com



Website: www.nbe-inc.com

SMOOT
Division of Magnum Systems

Website: www.smootco.com



Website: www.specialtyequipment.com



Website: www.techairinc.com



Website: www.taylorproducts.com

VAC-U-MAX

Website: www.vac-u-max.com



Our staff of Sales Engineers average over 20 years of process and packaging equipment application experience. We welcome the opportunity to discuss your requirements.

From components to turnkey systems, put SSI Technology's experience to work for you.

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