

Admix industrial dispersion and agitation equipment offers chemical manufacturers the solutions needed to improve production capabilities, ergonomics, and energy efficiency, while lowering maintenance costs and optimizing capital costs. Our unique dispersion technology employs high shear and improved pumping of up to 3X that of conventional dispersion blades resulting in more effective dispersions and emulsions for a more uniform product and streamlined production. If using media mills, Admix can reduce screen plugging and wear on internal parts, increase seal life and on softer products, may remove the mill requirement all together. For manufacturers needing low shear blending, our agitators are designed to meet your most stringent requirements for cleanability and speed.

Customized Solutions

Offering both TEFC and explosion-proof motors, our diverse portfolio includes high shear batch mixers, homogenizers, inline multi-stage rotor stators, inline/in-tank continuous mixers, low shear agitators and powder induction technology. All Admix high shear technology is scalable from lab to production. Testing and performance guarantees available.



Rotosolver[®]

The Rotosolver high shear mixer is ideal for 100% wetting out of powders, pre-mixing and finishing. Its efficient design is easy to clean, and delivers higher shear with less energy consumption. Available for tank volumes up to 10,000 gallons.



Fastfeed[®]

The Fastfeed is a fully integrated, ergonomic powder induction system providing controlled feed rates of up to 450 pounds per minute. A combination of high liquid flow and controlled vacuum induction instantly incorporates powders and can act as a recirculated disperser when needed.



Agitators

Ideal for mixing, blending, dissolving and suspension. The Rotomaxx[™] with proprietary Jetfoil[™] impeller provides 200% more pumping than conventional axial blades. The Rotofoil[®], our latest advancement performs these functions at 50% less HP per 100 gal. of product. Models up to 60,000-gal.



Dynashear[®]

The Dynashear is an inline dual stage disperser / emulsifier for inline continuous processing or batch processing with recirculation. It will instantly blend, dissolve, deagglomerate, disperse, and emulsify a wide range of fluids and semi-fluids.



Admixer[™]

The Admixer static mixer is ideal for blending miscible fluids. This type of mixing allows precise control of homogeneity and requires no motor. It is capable of handling liquids, to non-flowable paste with correct pump sizing.



BSM[™]

The BSM delivers high shear rates and tip speeds for maximum deagglomeration. It is capable of achieving particle distributions of <1 micron on soft particles, or down to 1-2 microns on hard particles. Production rates up to 160 GPM.

Ingredient & Applications Experience

Admix mixers set the pace for safe, economical processing of today's challenging ingredients. With thousands of installations around the world, they are used in emulsion and slurry applications for pigments, polymers, polyurethanes, and more including:

- Dispersing pigments, metal oxides, and ceramics
- Deagglomerating powders into primary particles
- Producing uniform end product often in half the time of conventional mixers

Ingredients

- Viscosity modifiers and rheology modifiers
- Titanium dioxides, silicon dioxides, iron/metal oxides
- Polymers, polymerization precursors
- Inorganic, organic pigments and dyes
- Resins, polyols
- Ceramics, clay
- Solvents

Applications and end products

- Paints, inks
- Lubricants, sealants, elastomers
- Catalysts
- Adhesives
- Chemical mechanical polishing compounds
- Fertilizers, fungicides, and pesticides
- Wax/oil/latex/silicon emulsions
- Paper sizing/anti-foam emulsions and dispersion



Test Driving Admix Equipment

There are several ways you can learn more about our equipment.

- Get a free customized quote from a seasoned applications engineer at admix.com/quote
- Try our robust trial program to use Admix equipment onsite for 7-14 days with up to 50% trial costs discounted from purchase.
- Lab scale onsite product demonstrations and lab testing available for non-hazardous products, with approval. Contact sales representative for details.

Learn more about these options and how we guarantee scale up through a process assurance warranty at admix.com/chemical