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LIQUID MIXING, HIGH SHEAR, POWDER TRANSFER, WET MILLING



Top Mounted Mixers With All Impeller Designs.
Process Scale-Up and Agitation Analysis Using CFD's.
Portable & Side Mounted Mixers. Manual & Electric Lift
Stands. All Stainless Sanitary Mixers. CFD Modeling



Rotosolver - Sanitary In Tank Dispersion/High Shear Mixing.
Rotostat - Sanitary Tank Mounted Homogenizers.
Dynashear – Continuous Inline High Shear Mixer.
Boston Shear Mill – Continuous Inline Wet Mill & Emulsifier.
Fast Feed – Powder/Liquid Induction & Dispersion.
Vacushear – Vacuum Mix Tanks from Bins or Sacks.
AdMixer – Sanitary Static Mixers.
FlowShear – Bottom Entering Homogenizers
RotoMixx – All Stainless Sanitary Mixers



Seal - Less Magnetic Drive Mixers up to 100 HP.
Top, Side or Bottom Entering, 100% Leak Proof.
High Pressure Autoclave Reactors For Labs & Pilot Plant.



Tank Mounted/Hydraulic Lift, High Speed Dispersers, Drum
Mixers, Co-Axial & Tri-Axial Mixing Systems, Media Mills,
Hydraulic Discharge Presses.



Vacuum Processing Systems for Cosmetics, Skin Care,
Personal Care, and Pharmaceuticals

VESSEL FABRICATION & PACKAGES



Laboratory & Pilot High Pressure, High Temperature
Autoclaves and Reactors w/Magdrives, (CSTR) Tubular



High Alloy & Stainless Steel Vessels & Reactors,
Half Pipe, Dimple & Conventional Jackets,
Agitator Reactor Packages, CFD Modeling



Sanitary ASME Code Vessels For Pharma/Biotech/Food &
Beverage, Sanitary Polished Jacketed & Sheathed Tanks.



NonCode Polished Vessels, Portable Tanks, Chutes, Bins,
Totes, IBC's, Stainless Enclosures, Platforms, and Cabinets

HEAT TRANSFER



Temp Plate Prime Surface Heat Transfer Panels,
Accutherm Plate & Frame Heat Exchangers,
Sanitary Plate & Frame Heat Exchangers.



Shell & Tube Heat Exchangers, in all Nickel Alloys



Portable & Central Chillers – Water & Air Cooled,
Centrifugal Scroll & Screw Type,
Packaged Temperature Control Units.

WATER TECHNOLOGIES



Validated USP Process Water Systems, RO Systems,
Loop-O & Loop-X Sterilization & Distribution Systems,
WFI Stills, Cold/Ambient WFI, Clean Steam Generators.

PROCESS PUMPS



Sanitary & Industrial Rotary Lobe & ECP Pumps,
Sanitary Centrifugal & CIP Return Pumps.



Metering Pumps – Diaphragm & Plunger, Hygienic Pumps
For Pharmaceutical / Biotech & Chromatography,
Multi-Head Pumps For Recipe Blending Systems.



ANSI & API Mag-Drive Centrifugal Pumps,
Mag-Drive Multi-Stage Centrifugal,
Mag-Drive Hot Oil Pumps.

POWDER PROCESSING



Weigh Feeders and Batchers, Bulk Bag Unloaders, Vibrating
Bins, Volumetric Screw Feeders, Continuous Blenders

PROCESS SKIDS



Skid Mounted Equipment Systems with Controls & FAT.
Sanitary Process Piping, Support Platforms.
Validation Services



INSTALLATION SERVICES

GMP Process Equipment Installation (Rigging, Piping,
Electrical) and Specification/Planning of Facilities and
Utilities services. Commissioning and Validation Services