CONTINUOUS PROCESSOR

STILL USING A BATCH MIXER?

CONTINUOUS PROCESSING OFFERS SEVERAL ADVANTAGES OVER BATCH MIXING.

WHAT IS IT?
• Mixer
• Reactor
• Preconditioner
• Crystalizer
• Compounder
• Polymerizer

WHAT DOES IT DO?
• Shearing
• Reactions
• Crystallization
• Particle Size Changes
• Modification
• Devolatilization

HOW DOES IT DO IT?
• Close Clearances
• Adjustable Shear Intensity
• RPM
• Jacket Temperature
• Addition Sequence
• Discharge Gate Configuration*
• Thru-Put Rate*
• Paddle Arrangement*
  *You Can’t Do This With A Batch Mixer

BENEFITS
• Total Enclosed
• Fewer Processor Steps
• Short Heat History
• No Batch to Batch Variations
• Shorter Cycle Times
• Lower Energy Consumption
• Reduce Labor
• Reduce Floor Space
• Eases Environmental Concerns

VARIETY: IT DOESN’T MATTER WHAT YOU ARE MIXING!
• Composites
• Processed Cheese
• Candy
• Pigment
• Animal Feed
• Soy Burgers
• Gum
• Aramid Fiber
• Chemical Dough
• Nut Butter
• Battery Paste
• Fond Dough

WHAT IS IT?
• Mixer

CONTACT US
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CONSISTENT. FLEXIBLE. EFFICIENT. THE CONTINUOUS PROCESSOR FROM READCO KURIMOTO, LLC.

THE CONTINUOUS PROCESSOR FROM READCO KURIMOTO, LLC.

WE DEMONSTRATE THE FLEXIBILITY OF OUR MACHINES IN A HIGHLY FUNCTIONAL TEST LABORATORY. OUR TEST LAB IS EQUIPPED WITH A CONTINUOUS GRAMMETRIC CONTROL SYSTEM TO PRECISELY REGULATE OUR PUMPS, FEEDERS, TEMPERATURE CONTROL EQUIPMENT, AND OTHER MACHINES ACCORDING TO THE CHALLENGING DELIVERIES OF PROCESS KNOWLEDGE, OUR TECHNICIANS ADJUST THE SEVERAL VARIABLES ON THE CONTINUOUS PROCESSOR TO MEET YOUR PROCESS REQUIREMENTS AND ACHIEVE FAVORABLE RESULTS.

READCO KURIMOTO, LLC OFFERS A RENTAL PROGRAM ALLOYING YOU TO TEMPORARILY INSTALL OUR EQUIPMENT IN YOUR FACILITY FOR DETAILED EVALUATION. THE GIVES YOU THE OPPORTUNITY TO CONTINUE DEVELOPMENT OF A ROBUST AND STABLE CONTINUOUS PROCESS. IN ADDITION, THIS RENTAL EQUIPMENT ENABLES OTHER PEOPLE IN YOUR ORGANIZATION TO SEE IT FIRSTHAND EXACTLY AS THE EQUIPMENT OPERATES PRIOR TO PURCHASE.

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WHAT DOES IT DO?
- Continuous dry and wet materials into homogeneous mixture
- Facilities, chemical reactions, crystallization, and polymerizations continuously
- Paddle/Screw design ideal for viscous materials
- Precise dosage materials for certain or additional downstream processes

OVER FIFTY YEARS OF PROVEN CONTINUOUS PROCESSING TECHNOLOGY
CONTINUOUS MIXING. CONTINUOUS EXPERTISE.

THE ADVANTAGE OF FLEXIBILITY.

STANDARD FEATURES
The standard design features of the mixer save you time both in processing and clean-up operations. The co-rotating shafts and close clearances between paddles and between the paddles and barrel walls provide efficient uniform mixing in less time than batch type mixers. This prevents material build-up inside the processor barrel and results in a self-wiping action that significantly reduces clean-up times.

- Stainless Steel Construction
- 3000:1 torque ratio
- Invertible Twin Motor – for optional variable speed drive
- Adjustable slide guide
- Torque mechanical protection

OPTIONS
The Continuous Processor can be configured using the latest specialized materials and alloys of your choice. Units can be designed with co-rotating paddle shafts for additional heating or cooling capacity. Other options are available to meet the specific demands of your operation. Barrel and rotor shafts of the continuous length permit the removal of gas from mixed materials or the addition of dry ingredients. Variable speed drive, top and/or bottom length, paddle motion, and barrel vent ports along the barrel length provide for complete mixing in less time and close clearances between paddles and between the paddles and barrel walls provide efficient uniform mixing in less time than batch type mixers. This prevents material build-up inside the processor barrel and results in a self-wiping action that significantly reduces clean-up times.

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APPLICATIONS
- General Board/Wall Board
- Cement
- Chemical Resin/Resins/Polymerizations
- Chemicals/Chemical
- Composites/Composite
- Composing
- Continuous/Continuous Material
- Continuous/Long Life/Process
- Continuous Powder Blending
- Continuous Solids/Dispersions
- Emulsions

CHEMICAL
- Acrylics
- Adhesives
- Aerospace
- Artificial Waxes
- Brass/Bronze/Brass
- Butyl Rubber
- Calcium Carbonate
- Bearings
- Battery/Cast
- Carbon-Based Industrial
- Cellulose/Natural Cellulose
- CFC Replacement
- Cellophane Barrier
- Celite
- Ceramic
- Chemicals
- Chlorides
- Chlorinated Wastes
- Cleaners/Detergents
- Chemicals/Chemical
- Composites/Composite
- Composing
- Continuous/Continuous Material
- Continuous/Long Life/Process
- Continuous Powder Blending
- Continuous Solids/Dispersions
- Emulsions

FOOD
- Candy
- Chocolate Bars
- Chewing Gum
- Chocolate Gaming
- Caramel Confection

MECHANICAL OPTIONS
- Coiled paddle shafts
- Near monolithic barrel design
- Permeable shafts
- Single or double shielded barrel
- Hydraulics, pneumatic, or electrically actuated barrel

DESIGN OPTIONS AND SPECIFICATIONS
- Precise automated controls – 10% - 100% peak power
- Electrical classiﬁcation: (up to Class I Div 1)
- USA 50/60hz - CE compliant

REACT CONTINUOUS PROCESSOR SPECIFICATIONS

<table>
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<tr>
<th>PADDLE MATERIAL</th>
<th>WIDEBAND (LBS)</th>
<th>A (IN)</th>
<th>B (IN)</th>
<th>C (IN)</th>
<th>TYPICAL MATERIAL SIZE (MPH)</th>
<th>WEIGHT</th>
<th>CLASS</th>
<th>RPM</th>
<th>CLEARANCE</th>
<th>BEARINGS</th>
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