

Pre-Mixed Joint Compound Case Study

Application:

Continuously process *joint compound* utilizing filler material blend (typically gypsum, limestone, and/or perlite), water and binder into a *smooth* "mud like" material.

Challenge:

Reduce inconsistencies and variations common with batch mixing. Provide *flexibility* with machine and process design to allow production of similar *specialty* mixes with *minimal* waste and change-over time.

Process Conditions:

55% - Dry powder blend
2-3% - Binder
41-43% - Water (inc. wetting agent)
Jacket Temp - Ambient
100-300 rpm Shaft Speed - variable

CP - Continuous Processor

Features and Benefits:

-  **Product Consistency**
-  **Customized Paddle Arrangement**
-  **Shorter Cycle Time**
-  **Less Waste**
-  **Small Footprint**

Solution:

The highly adaptable and flexible paddle arrangement is capable of producing *shear* ranging from *low* to *high* - producing a consistent homogenous material with a high level of *dispersion*. This design capability enabled the machine to meet the desired product specification.

Benefits:

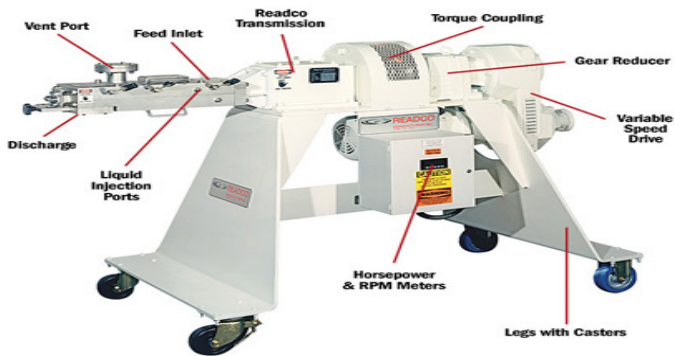
Low horsepower usage and *short* residence time results in *reduced* energy consumption. Processor can be quickly cleaned *in-place* with minimal down time. Continuous feeding of materials in addition to *concise control* and metering, results in less waste and greater consistency. The continuous stream of mixed material allows a more streamlined, on-demand packaging process without the need for large hoppers or other work in progress storage.





Rental Program

2" Diameter Continuous Processor Rental



Readco Kurimoto, LLC operates a rental program where you can rent a machine and install it into your facility for detailed evaluation. This will allow you to continue the important development work necessary to prove that the Continuous Processor will perform as promised.

This program allows you the opportunity to fine tune the system specifically to your application and needs.

Pilot Plant



Readco Kurimoto, LLC has a full scale Pilot Plant at their York, PA facility. Typically in one to three days of testing, feasibility can be proven and the machine can be configured to suit your specific production and mixing needs.

We demonstrate our machines in a fully equipped test laboratory, which includes Continuous Processors, pumps, feeders, temperature control equipment, and other ancillary equipment.

Continuous Mixing. Continuous Expertise.

Welcome to Readco Kurimoto, LLC. For over 100 years we have been at the forefront of industrial mixing technology.

Readco Kurimoto, LLC supplies Continuous Mixers to the Food, Chemical, and Pharmaceutical industries for the continuous production of products.

Readco also manufactures Dry Powder Blending equipment used in the Cosmetic, Pigment, Food, and Pharmaceutical Industries.