



Bulk Moulding Compounds

Plow mixers have the capability of adjusting to the degree of mixing by using the mills in conjunction with the main mixing elements. These mixing elements working in union with each other provide thorough intensive mixing for preparing the paste and efficient low shear gentle mixing to add the reinforcing fiber to resin. These are all within the confines of a single vessel.

The ability to mix the entire batch in a single vessel, without additional material handling steps, reduces cost and make the system more adaptable to automation. Special large discharge doors found on the plow mixers are used to remove the material efficiently, eliminating the need to manually remove the material. Discharge of the mixer is fulfilled by opening the discharge door and operating the mixer.

These mixers are easily cleaned by adding solvent with scrubbing agent, and operating the machine for short periods, then cleaning materials are discharged. The mixer can process fibers anywhere from 1/8" to ½" in length at loading levels from five to 50%. Typical mix cycles are in the 5 to 10 minute range. The ideal mixing practice produces evenly

coated fibers in the product. The material is easy to handle, with less bulky density than that normally produced by other mixing processes. Not only is the mixer capable of mixing fiberglass, but also a wide variety of the latest generation of "high tech" reinforcing fibers. If you have any questions about bulk molding compounds, please feel free to contact one of our experts. Processall is a leading provider of chemical processing horizontal plow mixers, reactors, dryers, sterilizers and extractors.

Processall maintains a fully equipped testing facility in Cincinnati, Ohio designed to provide customers with the data they need to develop their process, evaluate equipment, scale-up and identify the necessary equipment to maintain desired production volumes. We extend an open invitation to all potential customers to bring their product to our test center and get a "hands on" experience with our Technology and capabilities.

We also maintain a rental fleet that customers can utilize to do further testing at their facility or employ to minimize their startup costs for a new process. Please feel free to contact us with all your vacuum drying questions and our experienced industry professionals will help you find the right mixing solutions for your particular application.



Contact us today

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