

Modular Ingredient Systems



- ❖ **Modular flexibility**
- ❖ **Fast parallel weighing boosts productivity**
- ❖ **Easy access to components for cleaning**
- ❖ **Fully integrated controls**

Mac Process's Modular Ingredient System is designed to be the fastest batch weighing system in the world. Each ingredient station has a precision scale that provides accuracy suited to virtually any food, plastics, pharmaceutical, or chemical application. Parallel weighing adds speed to enhance plant productivity.

Designed for Unique Needs

Every process facility has unique needs and similarly the needs for micro and minor ingredient systems can also be unique. Our designs increase productivity, provide flexibility and are customizable based on current and future needs.

Modular or Custom Designs

Ingredient scaling configurations can be based on parallel (simultaneous), additive, or individual scaling of ingredients. System design is based on the required scaling accuracy, number of ingredients, mix formulas and frequency of mix cycles. Scaled ingredients can be transferred via pneumatics, gravity or mechanical delivery. Ingredient use bins are sized based on the preferred methods of filling and can be designed for manual bag dump, super sack or pneumatic filling as determined by usage and refill frequency.

Fast Cleaning for Fast Changeovers

Every part of the system has been designed to facilitate thorough cleaning so that changeovers can be fast and efficient. Totally enclosed systems minimize the change for dusting and prevent ingredient contamination.

Process Controls for Optimized Performance

Automated control systems for the micro or minor system are available to match most popular brands of PLCs. They can easily be networked to PCs, OITs and MMIs and long-term support can be provided via modem. Recipe management, data collection and reporting or statistical process control are all available.

As with all Mac Process control systems, each system receives a complete panel and logic checkout prior to shipment. A complete documentation package is always provided with the control system.

Versatile. Efficient. Cost-Cutting

Start with as many ingredient stations as you need now and install additional units to handle new recipes and materials later on.



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