

MASTERMIX

MICROWAVE MIXER WATER CONTROL

Fast and accurate. Microwave performance for the most demanding applications

Combine a rugged microwave sensor with the power of BatchTron plus some advanced software and what do you get? A major saving over competitive systems while maintaining top performance. When you need really accurate control of slump for wet cast or moisture for dry cast, **MasterMix** will give you fantastic performance; speed and accuracy second to none.



- **MasterMix** measures the moisture of the ingredients after they enter the mixer. Based on the known weight of materials in the mixer, the water required for the mix is calculated from the formula value minus the amount contained in the aggregates. The water is then added quickly via fast and slow valves. This method is fast and very accurate. **If speed is important, MasterMix will maximize the use of your mixer.**
- **MasterMix**'s microwave sensor is unaffected by the type of cement, admixtures and temperature variation. Unlike older systems based on resistance, measurement is accurate at all times, giving you **perfect moisture, batch after batch.**
- Fast and slow feed valves add water to the mix quickly and accurately, giving the shortest possible total mixing time. **More batches per hour.**
- Water target can be based on water/cement ratio for wet cast or water/total solids ratio for dry cast, pavers and block, giving you the **right type of measurement for your product.**
- Water calculation is based on actual weights of ingredients rather than targets, **further enhancing accuracy.**
- Because it uses the BatchTron computer for control, the system requires only the sensor, water valves, meter and software, **resulting in a large saving over a stand-alone moisture controller.**

- **MasterMix** uses BatchTron's graphic touch screen for display and control, making it **easy to set up and operate**.
- **MasterMix**'s moisture trend graph allows the operator to view the mixing action as it proceeds. Window on the mixing process shows up badly adjusted or worn blades, **ensuring proper mixing action**.
- Target water or moisture values and choice of Standard or Lightweight concrete are stored in the batch formulas, allowing different moistures and mixing sequences to be preset for different products. **This type of integration is easy with MasterMix but difficult or impossible between separate batching and moisture controllers.**



WHAT IS THE DIFFERENCE BETWEEN MASTERMIX AND MICROMIX?

MasterMix is for fast, high production plants where the mixer never takes a break. It allows more pours per hour because of its fast operation. MicroMix is for the slow to medium production plant where longer mixing cycles will not slow down production. It is a simpler system which costs less.

With **MasterMix** and a well adjusted mixer, you will make better product at higher speed, saving money and increasing profit.

WHY DO WE HAVE BOTH MASTERMIX AND MIXTRON?

Mixtron is a stand-alone water dosing system for use with separate batching controllers. It can be used with BatchTron but is more expensive than **MasterMix**, which is built into the BatchTron system. Both are identical in performance, however, giving you the same tremendous speed and accuracy.

THE COST

MasterMix includes the sensor, valves, water meter, input unit for the BatchTron computer and special software. Because it runs on BatchTron's computer instead of a separate controller, it costs less than other microwave systems but gives phenomenal performance. Call us, fax or use our web site and feedback form for prices and more details.

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