

## Innovative Design Ensures Process Quality

**A ready meal producer could not risk unreliable weight results due to vibrating mixers used in its production process. An upgrade to new innovative weigh modules helped the company ensure consistent quality and improved productivity.**

For consistently delicious ready-made macaroni and cheese in each batch, it's critical to use the right amount of each ingredient each time. Kettle Creations, an American food manufacturer, saw its weigh modules generating incorrect results because vibrations from the mixer set the weigh modules loose. Therefore, the company had to increase efforts for quality control and extended cycle times. That's why Kevin Grant, maintenance supervisor for Kettle Creations, called on Scott Clark from Antibus Scales and Systems, an experienced METTLER TOLEDO distributor, to solve this problem.

### Self-Aligning Weigh Modules Ensure Accuracy

"The Antibus Scales team came to us with the new MultiMount™ weigh modules from METTLER TOLEDO as a solution to our problem," says Grant. These self-aligning weigh modules are designed for dynamic weighing applications, allowing movement while still ensuring accuracy and repeatability.

The Rocker Pin inside the weigh module ensures 360° lateral motion. It also ensures perpendicular force introduction to

the load cell despite deflections of the support structure that occur when the vessel is fully loaded.

Kettle Creations required a vessel with 360-degree lateral motion capability and a better suspension so that it would not create stress due to unevenly distributed weight. The MultiMount weigh modules allow the mixer inside the vessel to vibrate without causing damage to the weigh modules, ensuring weighing accuracy. "Now, we have both lateral motions and suspension issues under control," says Grant.

### Easy and Safe Upgrade

During installation, the SafeLock™ features assisted Bob Bennett of Antibus Scales in installing the weigh modules quickly, easily and safely. In addition, the features guarantee the weigh module maintains its alignment during transportation and installation. "SafeLock definitely helped with keeping the moving parts of the weigh module in place," says Bennett. "It relieves the stress and aligns everything." Furthermore, the rugged weigh modules withstand numerous daily wash-downs in the food facility.

The complete MultiMount weigh module with SafeLock overload protection allows safe installation. The protection parts can be easily removed if the weigh module is completely installed.

Grant says the new weigh modules made such a difference that they have added MultiMount weigh modules to more applications in its food processing facility. Kettle Creations was able to optimize productivity without sacrificing quality, making it easier to achieve that perfect homemade macaroni and cheese taste!



MultiMount  
Weigh Module



Scott Clark



Bob Bennett

**METTLER TOLEDO**