



PRIMS-CISS in Review

Computer Integrated Scaling

Over-scaling by as much as 5% has historically occurred on the production floor. The development of [PRIMS Computer Integrated Scaling](#) will eliminate the ingredient loss and recipe inconsistencies resulting from out of tolerance weighing. Scale operators can now work from a computer generated work plan or may request formulas to scale at the scale terminal. The scale will keep the operator within allowable tolerances, by not letting them go to the next step unless the scaled amount is within tolerance. The computer will record and report the results, and management can record and report the savings. A single system PRIMS Scaling System Software package can control a multitude of scales, with flexible technology that offers an ROI in less than 8 months. PRIMS-CISS can be purchased separately and will retain lot tracking capabilities. It can later be expanded into full PRIMS automated batching. Additionally [PRIMS-CLT \(Video:PRIMS-CLT - see below\)](#) can be purchased separately and expanded into PRIMS-CISS, and then to full PRIMS.



PRIMS Abilities Include:

Numbers:

- Ensures 100% conformance to batch specifications
- Increases production yield by 5%
- Reduces ingredient losses by 95%
- Reduces Batch Cycle Times by 20%
- R.O.I. within 8 months

Performance:

- Reduction in Operator Errors
- Exact Scaling Reports
- Consistent Quality of Recipe
- Perfect Piece Weight Checking
- Decreased Barriers to Compliance
- User Friendly and Out-of-the-Box, Requiring Little or No Additional Programming



Uncontrolled manual scaling wastes ingredients and production time, and is a major barrier to compliance with [Title III of the Bioterrorism Act](#). The Computer Integrated Scaling System from Matrix Controls eliminates these problems.

PRIMS is designed to simplify and refine manual batch scaling, manual pre-scaling, and production line piece weight checking. The computerized scale also has an option for ingredient lot tracking, enabling Title III compliance.

- 1 - The formula is entered into the scale system, either manually or by computer.
- 2 - The operator is instructed on which ingredient to add next, and how much.
- 3 - The operator either scans or manually enters the ingredient lot number.
- 4 - The operator adds the ingredient. The scale will not let the operator proceed until the ingredient's weight is within tolerance, thus ensuring a more accurate batch.
- 5 - Scaling and lot tracking reports can then be generated.

Management Control

PRIMS is user-friendly, requiring little or no experience to operate. This flexible technology gives management far more control over manual operations. Controlling all manual ingredient additions and operator instructions, and the computerized record of each step in the mixing process, provides management with the tools to pinpoint any inconsistencies within a batch. PRIMS generates reports for Ingredients, Formulas, Production, Scaling, Ingredient Usage, and Lot Numbers. Managers can import used inventory and finished production data into the company's accounting software for accurate inventory control.

Return On Investment

With the Computer Integrated Scaling System from Matrix, your plant will begin seeing a return on investment within 8 months.

One customer was complaining he was losing approximately \$50,000 of hand scaled ingredients per year. This was caused by the operator over scaling **an average of 6%**. With the PRIMS computerized scaling system, he reduced the over scaling from 6% to **under 1/2 %**, saving **over \$45,800 per year** or \$880 per week.



Upgrade Any Time

You can gain advanced functionality to the PRIMS-CISS system at any time by adding any of the following **PRIMS Add-On Modules**:

Add on Modules

- Lot Tracking Module
- Time Scheduling and Efficiency Module
- Receiving-Inventory Module with Reconciliation and Barcode Label Printing
- Production Scheduling, Material Requirement and Workplan Template Module
- Finished Goods Inventory and Shipping Module
- Purchasing Module
- Security and Historian Module
- Costing Module
- ODBC Data Driver
- Network Module
- Multi-Language Module
- PRIMS Microsoft Sequel Server Data Base Adder