

# Give your balance a brain

ADD 920i® INTELLIGENCE TO PRECISION WEIGHING

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Balances typically have some built-in functions for weighing, counting or percentage calculations, but do not have configurable controls or outputs to each application. Rice Lake can create custom software linking the control power of the 920i indicator/controller to any precision balance application. Using the 920i as a serial scale controller (without an A/D scale) gives precision weighing the same flexibility and programmability demanded in industrial weighing.

**Example 1:** This custom program was designed for a pharmaceutical company.

The custom 920i program allows the user to directly interface a scanner to the 920i. The operator can either scan or input data through the 920i keypad. The scanner has the ability to scan code 39 or 128. The 920i interfaces to the Datamax® M-4206 label printer and produces a label bearing a Datamatrix barcode. These labels are manually applied to boxes. This system can also be connected to two serial scales.

### Feature Descriptions

Storage for 5000 Products.

Data prompted for entry:

- Raw material grade
- Lot number
- STD weight number
- Expiration date

**Example 2:** This solution was created for an application where micro ingredients as little as one milligram are precision-weighed before adding to batches weighing 1,000lbs or more.

The recipe consists of several ingredients (up to 10) and each ingredient may have multiple lots (maximum lots per ingredient is three).

If the target for the the ingredient is 550 grams:

1. The operator places an empty pan on the balance and zeroes the scale.
2. The operator adds product to the pan.
3. The 920i prompts “Enter/Scan Lot.” The operator scans the 39 barcode with the lot number or keys it on the 920i front panel. If it is a valid lot for that ingredient in

the recipe database, it will continue, otherwise it will jump to the “Supervisor Needed” section.

4. The gross weight from the scale is stored and subtracted from the target.

**Example 3:** The end user needs to measure the density of pork skin. Pieces are measured and cut a determined length and width. The operator is prompted to enter this length and width in millimeters. The operator then pushes the print button on the balance and the 920i computes the value and displays in grams per cubic centimeter.

The 920i is programmed for a serial scale input using the TS-6200 balance. The TS-6200 balance was chosen for the platform size and IP65 rating for washdown.

Just three examples from many options, adding precision to the intelligence used in industrial weighing and giving your balance a brain—it’s the smart thing to do! ■