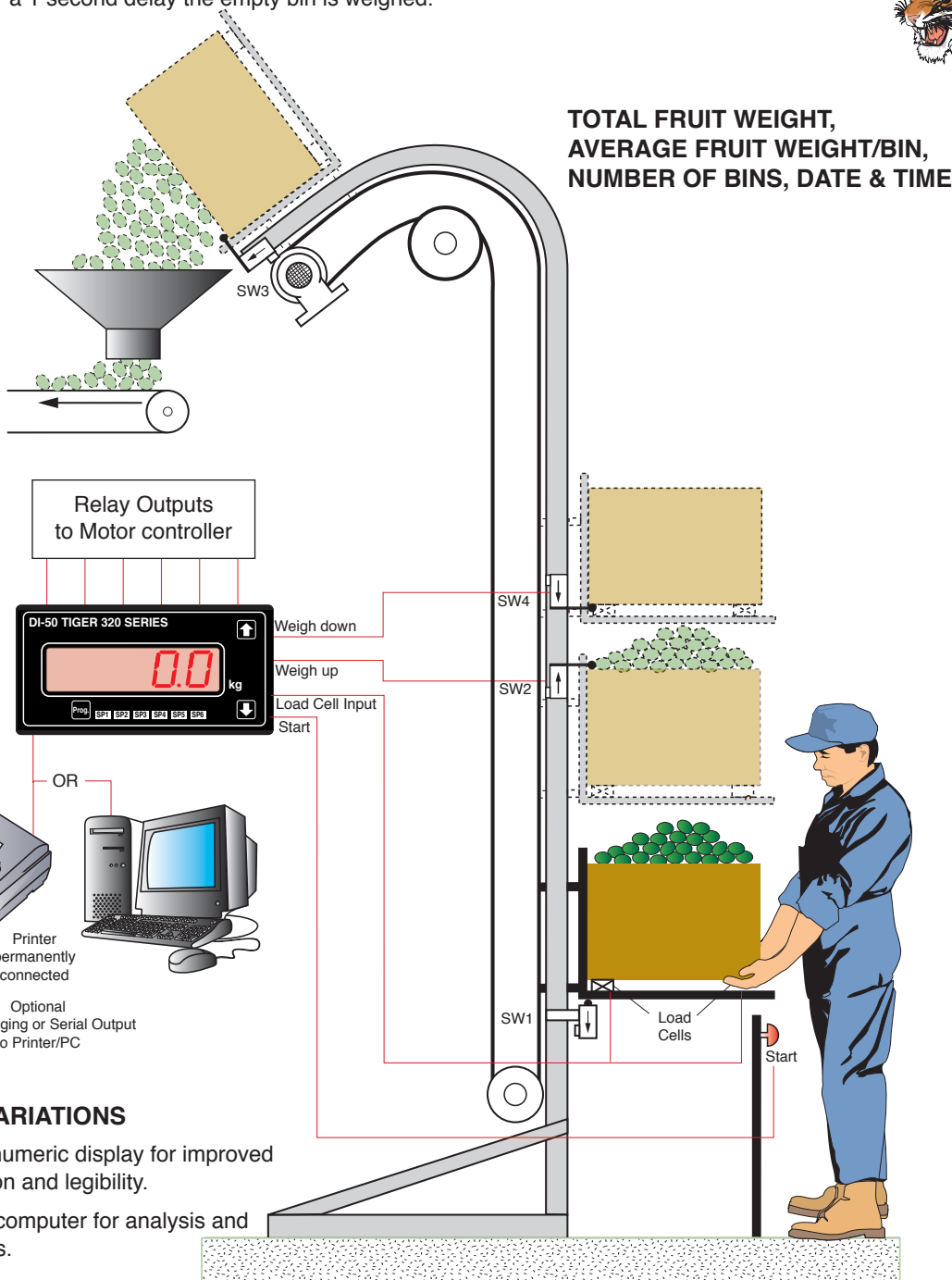Our customer operates a fruit packhouse. His customers deliver their fruit in large bins for grading, packing and distribution.

The full bins are loaded onto a conveyer and then transferred to a load cell weighing platform.

The bin raises to a weigh position and then stops. After a 1 second delay (load cell to stabilize) the full bin is weighed. The bin then raises and tips the produce onto a second grading conveyer. The bin then returns to the load cell weigh position and stops. After a 1 second delay the empty bin is weighed.

The Tiger 320 Series controller subtracts the empty bin weight from the full bin weight. The result is the fruit weight. The bin number is counted, the fruit weight is added to the total fruit weight and the average fruit weight per bin is calculated.

A serial printer connected directly to the Tiger controller RS-232 serial port prints a receipt detailing the day:month:year, hrs:mins:sec, number of bins, total fruit weight and average fruit weight per bin.

**TOTAL FRUIT WEIGHT,
AVERAGE FRUIT WEIGHT/BIN,
NUMBER OF BINS, DATE & TIME**

APPLICATION FUNCTIONS

APPLICATION SPECIFIC SMART APP

RELAY OUTPUTS

TIMERS

PRINTER OUTPUTS

CALCULATIONS

SEQUENCE CONTROLS

TEXT MESSAGING

INPUTS

STATUS INPUTS

LOAD-CELL PRESSURE

Relay Outputs to Motor controller

DI-50 TIGER 320 SERIES

0.0 kg

Prog SP1 SP2 SP3 SP4 SP5 SP6

Weigh down
Weigh up
Load Cell Input
Start

SW4
SW2
SW1

Load Cells
Start

OR

Printer permanently connected

Optional Data Logging or Serial Output to Printer/PC

SW3

APPLICATION VARIATIONS

• Use 6 digit alphanumeric display for improved operator instruction and legibility.

• RS 232 output to computer for analysis and production records.

Suggested Ordering Code Options for This Application

Basic Order Codes	Comments
DI-50T-DR-PS1-ISS1-OR46-S2	Record number of Batch, total and avaraged weight.
Note: Custom Smart App required. Charges vary depending on application. Contact Texmate.	