



# Idaho Weighing Systems

24085 Pheasant Ridge Ct Middleton, ID 83644

Phone: (208) 970-7748

*Customer Satisfaction is our Highest Priority*

## Small Package Checkweigher Worksheet

Company Name: \_\_\_\_\_ Line/Job Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Company Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

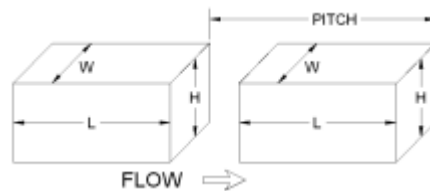
### Product Information:

Check the types of containers that are to be weighed.

- Bottle     
  Box     
  Can     
  Jug     
  Bag  
 Direct Food     
  Stand-Up Pouch     
  Other Flexible Package     
  Other

Describe: \_\_\_\_\_

**Dimension each package, or list smallest/largest and highest rate below:**



Item	Length (L)	Width (W)	Height (H)	Weight	Prod. Rate
1					
2					
3					
4					
5					

Accuracy Requirement +/- \_\_\_\_\_ (specify weight conversion; g, oz. lb. kg.)

What is the **conveyor speed** of your current/new production line? \_\_\_\_\_ FPM

What is the maximum production rate for any package? \_\_\_\_\_ PPM

**Continued on Page 2**

## Environmental Specifications:

Our checkweighers can be built for nearly any environmental conditions. Please select the environment for your application, and make note of any special or unusual condition; extreme cold/heat, etc.

- |  |  |
|--|--|
| <input type="checkbox"/> Type 12 (IP54) unrated  | <input type="checkbox"/> Type 4 (IP67) high-pressure wash-down |
| <input type="checkbox"/> Type 4 (IP65) wash-down | <input type="checkbox"/> Type 4X (IP67) wash-down/corrosive    |

Hazardous (explosive) Areas:

- |  |   |
|--|---|
| <input type="checkbox"/> Class I (solvents/vapors), Div. 1 | <input type="checkbox"/> Class I, Division 2  |
| <input type="checkbox"/> Class II (dusts), Div. 1          | <input type="checkbox"/> Class II, Division 2 |

## Mechanical Specifications:

Specify Desired Overall Checkweigher Conveyor Length: \_\_\_\_\_

Specify Checkweigher Conveyor Height: \_\_\_\_\_

## Mechanical Options:

- Metal Detector Brand Preference: \_\_\_\_\_
- Product guide rails
- Additional strand chain and chain guides for TSC 350
- Transition Rollers
- Caster mounts for portable systems
- Windshield protects scale from ambient air currents
- Timing screw in-feed for product spacing of rigid containers
- Acceleration conveyor
- Pacing Wheel
- Side-Belt Transfer

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### Electrical & Software Options:

- |   |   |
|---|---|
| <input type="checkbox"/> 3-Zone Stack Light             | <input type="checkbox"/> Closed-Loop Feedback                 |
| <input type="checkbox"/> 5-Zone Stack Light             | <input type="checkbox"/> Empty Package Detect Eye             |
| <input type="checkbox"/> 1" High Remote Digital Display | <input type="checkbox"/> Barcode Reader Input                 |
| <input type="checkbox"/> 2" High Remote Digital Display | <input type="checkbox"/> SPPC Light Data Reporting            |
| <input type="checkbox"/> Reject Alarm Horn              | <input type="checkbox"/> 930 Data Logger                      |
| <input type="checkbox"/> Reject Alarm Strobe            | <input type="checkbox"/> Ethernet IP (Allen-Bradley Protocol) |
| <input type="checkbox"/> Trend Alarm Light              | <input type="checkbox"/> Other Protocol: _____                |

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## Reject Options:

Thompson Scale offers a variety of reject devices to remove off-spec. packages from the production line. The standard checkweigher controller is capable of operating rejects separately for low, high, and metal contaminated products (when used with a metal detector interface)

- Stop & Alarm                      Reject causes checkweigher conveyor to stop & sound alarm. Operator removes or adjusts package, presses "Restart" button to continue production. For use with low-rate applications only
- Air Blow Off:                      Air nozzle ejects lightweight products quickly and quietly from the production line to customer supplied bin or accumulation table.
- Single Ram Reject:                Delrin or Stainless Steel push plate ejects off-spec product at right angle to flow of the conveyor. Product ejected to customer supplied bin or accumulation table or conveyor
- Dual Ram Reject:                 Same as above, but includes two rams, side-by-side, for separate reject of either low or high weights or weight and metal contaminated product.
- Diverter Arm:                      Rotating arm sits parallel to flow of conveyors. Reject extends arm to a preset angle to gently guide off-spec product from the main product line to customer supplied bin or accumulation device.
- Drop Nose:                        Separate conveyor that resides directly after checkweigher. Hinged on the in-feed end, out-feed end of conveyor drops preset distance to discharge off-spec product to bin or accumulation area below.
- Dual-Lane Diverter:              Rotary cylinder residing above conveyor line allows "good" product to continue on production line, but rotates to divert off-spec product to alternate conveyor line. Variety of reject accumulation conveyors available.
- 3-Zone Classifier:                Using the same diverter described above, product is classified with low weight (or metal) diverted to one side of the production line, and high weight diverted to the other side. Includes up to 10 feet of accumulation conveyor with product guides and end stops.
- 5-Zone Classifier:                Same as 3-zone classifier, but includes two additional zones. Custom configurations, lengths, etc. available.
- Reject Horn:                        Alerts operator to rejects with either an audible or visual signal.
- Reject Strobe:                     Duration of signal set through reject timers within the checkweigher controller.

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Please provide any notes or descriptions of your production line that will assist us with better understanding your application:

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Please send this completed form to Thompson Scale Company, and we will generate a detailed proposal based upon the information you have included in this questionnaire. We will also be happy to make suggestions, and work with your company to solve any special applications problems unique to your production line.

Customer/Rep Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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**208-970-7748**

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