



# CIM Series Checkweigher Application

Date: \_\_\_\_\_

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

This form must be completed and returned to Cardinal Scale Manufacturing Company with a CIM quote. Quotes will not be provided without a completed data application form.

Weighing problems may be caused by environmental influences such as vibration, excess dust, air currents, and non-solid foundations. If any of these factors are present they must be corrected to assure proper performance of the checkweigher.

## IMPORTANT!

The Cardinal Scale checkweigher is not suitable for installation into an explosive or washdown environment. If the checkweigher is to be installed into an explosive area, please contact the factory.

Company Name: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

### Power Requirements:

#### Controller:

110V, 1Ph, 60 Hz (standard)

220V, 1 Ph, 60 Hz (optional)

Other  
(specify)

#### Conveyor:

220V, 3 Ph, 60 Hz (standard)

460V, 3 Ph, 60 Hz (optional)

Other  
(specify)

### Conveyor Specifications:

Feet/minute

OR

Centimeters/minute

Belt speed greater than  
120 feet per minute  
(consult factory)

Variable speed drive  
(consult factory)

#### Belt Specifications:

Black polyester belt (standard)

USDA white belt (optional)

### Equipment Operation Specifications:

#### Weigh Mode:

Weight only mode

Checkweigh mode

#### Type of Packages to be Weighed:

Bag

Carton

Paper

Cardboard

Plastic

Plastic

Other

Other

Special concerns (reflective, unstable, hot, etc.): \_\_\_\_\_

### Size of Packages to be Weighed:

No.	Length	Width	Height	Weight	Accuracy	Item Rate <sup>1</sup>	Package Spacing <sup>2</sup>
1							
2							
3							
4							

<sup>1</sup> Item Rate is the number of containers passing across the conveyor per minute.

<sup>2</sup> Package spacing is distance from FRONT of one package to FRONT of the next package, which must be at least 36"/91.4 cm (see below).

### Additional Notes:

### Package Handling Limitations to Insure Proper Operation of the Checkweigher

1. Package spacing must be as follows:

Leading edge to leading edge spacing must be greater than or equal to the length of the scale conveyor, minimum 36"/91.4 cm (S1). If this spacing is less than specified, a spacing conveyor MUST be supplied by others.

2. Package length must be short enough to allow a minimum of .5 seconds of weigh time between the photo eyes for an accurate weight.

3. The approach conveyor and the exit conveyor must be moving at the same speed as the scale conveyor and be at the same elevation to insure proper transfer of the products. The standard Cardinal conveyor height is 30" +/- 2" (76 cm +/- 5 cm).

