# The Dolphin
## Questionnaire

## Customer Contact Information

| | |
|---|---|
| Company Name: | Contact Name: |
| Company Address: | |
| Company Phone: | Contact Mobile: |
| Company Facsimile: | Contact E-mail: |

## Product Information:

Check the type of product container to be check weighed:

Bag/Pouch ☐        Box/Carton ☐        Pail/Keg/Drum ☐        Bottle ☐        Tube ☐

Can Closed ☐        Can Open ☐        Tray Closed ☐        Tray Open ☐        Packet ☐

Describe each of your products below. Make sure to list the Shortest and Longest unit length, and the units of measure (in, mm, lb, Kg, etc)

| Item Description | Length | Width | Height | Weight Tare Weight | Rate Products per Minute | Speed Meters per Minute | Accuracy (Required) |
|---|---|---|---|---|---|---|---|
| | | | | / | | | |
| | | | | / | | | |
| | | | | / | | | |

What **Direction** is the Product flow, please **Circle** the required position for the controls ?

Left to Right ☐ →                ← ☐ Right to Left

What is the **Spacing** between products (leading edge to next leading edge)     _____

What is the **Conveyor Speed** of your current/new production line ?     _____

What is the maximum Production Rate for your **Longest** package ?     _____

What is the maximum Production Rate for your **Shortest** package ?     _____

How is the **Product placed** on the In-feed conveyor ?     _____

**Product Condition:**
☐ Closed
☐ Frozen
☐ Supported
☐ Wet

☐ Open (Indicate flaps on Sketch)
☐ Un-Frozen
☐ Un-Supported
☐ Dry

# Environmental Information:

The Dolphin AD4404 and AD4820 Checkweighers are provided with an IP65 Oriental motors, stainless steel 304 frames and IP65 Checkweigher controller. The optional intermediate conveyor, belt conveyor and chain conveyor are provided in stainless steel, food grade compliant systems with wash down motors and belts. Options are available for Wet, Corrosive and Hazardous locations. Please note your specific requirements below:

☐ IP54 / Nema 12 (Standard System)    ☐ IP65 / Nema 13 (Wash down/Dust Tight

☐ Exi/d / Nema 7/9 (Explosion Proof)    ☐ IP66 / Nema 4X (Wash down/Corrosion Resistant

For **YOUR** application please specify the finish or material required and explain the environment where the Checkweigher will be used. Also explain the wash down requirements, i.e., what chemicals, high pressure water, steam, caustic or acidic solutions etc, will be used.:

_____

_____

_____

_____

For Hazardous Environments applications, please specify area classifications:

Class : _____     Zone : _____     Group : _____     Division : _____

Temperature Range : _____° to _____°     (☐ Celsius ☐ Fahrenheit )

Humidity Range : _____% to _____ %

Auto Ignition Temperature : _____°

*Sample Picture Only*

# Electrical Specifications:

The Dolphin AD4404 and AD4820 Checkweighers are provided with 240 50Hz motors. The Checkweigher controller has connections for 240VAC 50Hz power supply. Other voltages are available. Please specify below your requirements:

☐ Standard 240VAC, 50Hz – Controller
☐ Standard 240/480 3-Phase, 50Hz – Conveyor
☐ 110VAC, 60Hz - Controller
☐ 110VAC, Single Phase 60Hz – Conveyor
☐ 220VAC, 60Hz - Controller
☐ 220VAC, Single Phase 60Hz – Conveyor

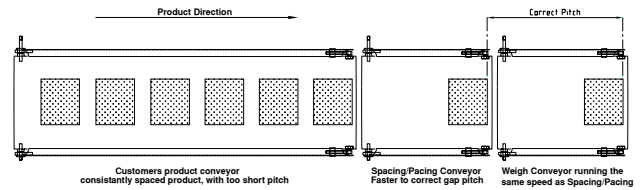☐ Other: _____    VAC: _____     Phase: _____

*Sample Picture Only*

# Mechanical Specifications:

The Dolphin AD4404 and AD4820 Checkweighers can be provided with a wide range of conveyor configurations to meet your specific application, depending upon maximum product length, conveyor speed, and production rate. Below are a variety of conveyor choices.

The Dolphin AD4404 and AD4820 Checkweighers In-Feed and Weigh conveyors have a maximum height of 900mm to the top of the belts, with adjustable feet allowing 50mm +/- adjustment. Support stands are available if required starting from 100mm to 500mm.

☐ Support stand – Please specify height: _____ mm.
☐ Wheels under stand – (One set Only)
☐ Up-right bag guides for open-mouth bags
☐ Product Speed Control Conveyor
☐ Product Spacing or Pacing conveyor



**Product Direction**

**Correct Pitch**

Customers product conveyor consistantly spaced product, with too short pitch

Spacing/Pacing Conveyor Faster to correct gap pitch

Weigh Conveyor running the same speed as Spacing/Pacing

*Please Note: Our conveyor lengths and maximum production rates are based upon a leading edge to leading edge distance between products equal to the Checkweigher Weigh Conveyor plus 50mm or greater. If distances are less than this minimum, a pacing conveyor will be required to meter products across the Checkweigher.*

NOTES : _____

_____

_____

*Sample Picture Only*



720 NOMINAL

1300

900 NOMINAL

420
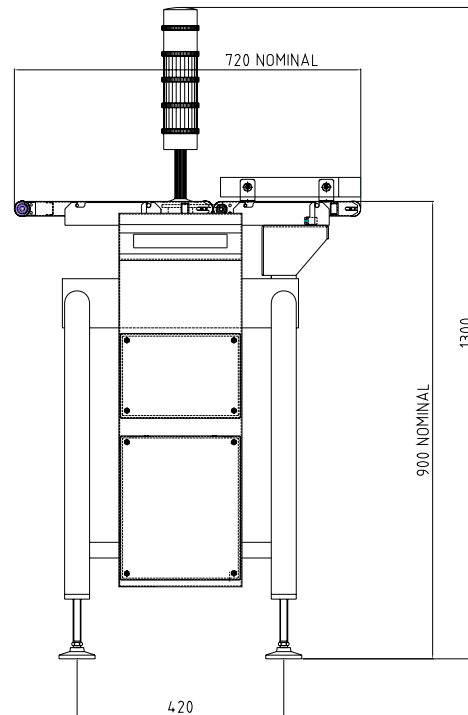
*NOTES:* **The Checkweigher is required to be installed with <u>NO</u> exposure to floor Vibrations.**

**The Checkweigher is required to be installed with <u>NO</u> exposure to Wind/Breezes.**

# Reject Conveyor Options:

A&D Mercury Pty Ltd offer a variety of reject devices to remove over and under specification products from the production line conveyor system. Please choose the type of reject device best suited for your application.

☐ Air Blast – Single Rejection "HiHi, Hi, Lo, or LoLo".

☐ Air Blast – Dual Rejection "HiHi, Hi" and "Lo, LoLo".

☐ Drop Conveyor – 200mm in length, minimum line height of 100mm.

☐ Pneumatic Diverter – Single Selection Reject "HiHi, Hi, Lo, or LoLo".

☐ Pneumatic Diverter – Dual Selection Reject "HiHi, Hi" and "Lo, LoLo".

☐ Alarm Reject – Flashing Light to alert operator.

☐ Alarm Reject – Siren to alert operator.

☐ On-Site Clean Filtered Air Supply.

*Sample Picture Only*
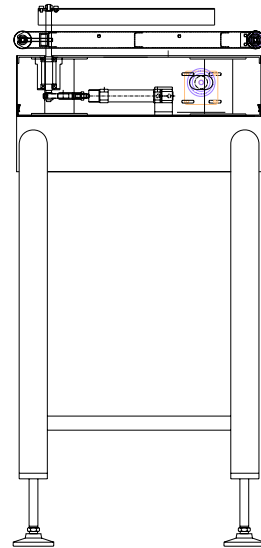
# Options and Accessories:

| | | |
|---|---|---|
| ☐ | Checkweigher PC Data Capture Software | |
| ☐ | Metron 05 "Slim Line" Metal Detector | |
| ☐ | Large RED LED Weight or Total Display | |
| ☐ | Epson Label or Logging Printer | |
| ☐ | Bar Code Scanner Input System | |
| ☐ | Feed back Interface – Pulsed or Serial | |
| ☐ | Fieldbus Interface – Profibus, Devicenet, Modbus | |
| ☐ | Tiered Lamps – 3 Zones (Hi, Go and Lo) | |
| ☐ | Tiered Lamps – 5 Zones ( HiHi, Hi, Go, Lo, and LoLo) | |
| ☐ | Alarm – Amber Strobing Alarm & Siren | |
| ☐ | Other Requirements _____ | |

**A&D Mercury Pty. Ltd.**