

## Automatic Bagging Machine

**GR900-15**



**Robust - Compact - Operator Unattended**

Dynamic Weighing Specialists

Solutions for weighing materials on the move

## High Capacity Bag Storage Carousel

The Carousel can hold up to 900 bags. *(Depending upon the thickness of the bags)*. The standard Carousel has six magazines, each capable of holding up to 150 bags.

Indicative storage/continuous operation:

5 bags per minute	→	3 hours storage
10 bags per minute	→	1.5 hours storage
15 bags per minute	→	3/4 hour storage

A clear hinged lid allows the Operator **safe access** to the magazines. The Carousel drive is disabled via a safety switch when the lid is raised. The Operator has manual control to rotate the Carousel during normal operations, allowing the Carousel to be fully charged in one visit.

**The Carousel can be safely recharged while the line is running - without interrupting bagging.**

## Handles different bag sizes

The Bag Magazines can be easily adjusted to accommodate a wide range of different bag sizes. The design significantly increases the reliability of bag presentation - whatever the size.

## Handles Smooth Bags

The Design overcomes slippage problems when stacking very smooth bags (bags with very low friction coefficient). The benefit is a near 100% pick and place of the empty bag. *(Issues may occur if the bag is badly folded, creased, glued or sewn to another bag.)*

## High Reliability Bag Picking

The GR900-15 has individually monitored vacuum generators for bag pick up. If vacuum pressure is lost at a single cup the bag is dropped back into the magazine. The machine will attempt to move on if pickup is unsuccessful. If pickup problems continue, an alarm is raised for Operator attention.

## High Reliability Bag Placing

The system ensures bags are consistently placed on the Bag Clamp in the correct position. If a bag placement is not successful, the machine will self recover and drop it clear and Bagging operation continues without Operator involvement. The machine will raise an alarm for Operator attention if three unsuccessful bag placements occur.

Bag detection sensors test the placed bag ensuring the weigher does not discharge product if a bag is not correctly placed, avoiding the possibility of product spillage.

## Bag Gusset Retention

The GR900-15 design **maintains the original bag gussets** (if present) and creates the environment for the bags to be properly sealed.

## Bag Top Held Securely

The Closing Conveyor is height adjustable and Bag Guide Rails are not needed. The bag is carried by the top by a Traction Drive System, ensuring the bag top is controlled all the way through Sewing or Heat Sealing to the Bag Kicker.

## Thread Break Detection and Vision System Quality Control

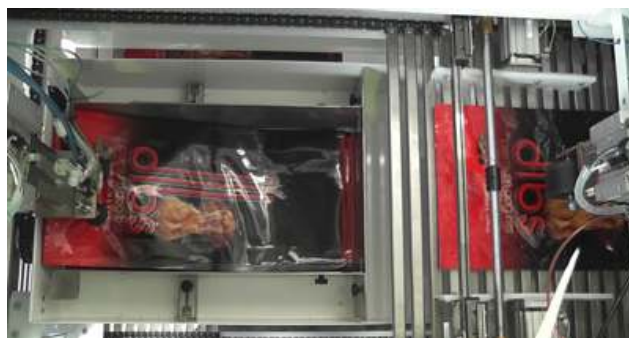
Thread break detection monitors the needle and looper threads to detect a missed sew. An optional Vision System provides an additional level of quality control and will detect a fault such as an unsewn or poorly closed bag, raising an alarm before product is spilled.



Bag Carousel



Bag Pickup



Handles Smooth (low friction co-efficient) Bags



Bag Alignment

- **Runs operator unattended**
- **Compact footprint**
- **Robust construction**
- **Handles a variety of bag materials and sizes**
- **Self Recovery**
- **Easy bag/ product change over**
- **Designed to operate 24/7**
- **Operates in high Australian temperatures**
- **Intuitive touch screen HMI**
- **High operator skill set not required**





## Bag Material

- Laminated Woven Polypropylene
- Plastic
- Paper

## Bag Construction

- Pillow
- Gusseted
- Block Bottom
- Sewn Bottom (with tags)
- Zip Lock Bags

## Accuracy

± 20 grams\* depending upon product and flow characteristics.

The GR900-15 standard model design assumed non-hazardous application

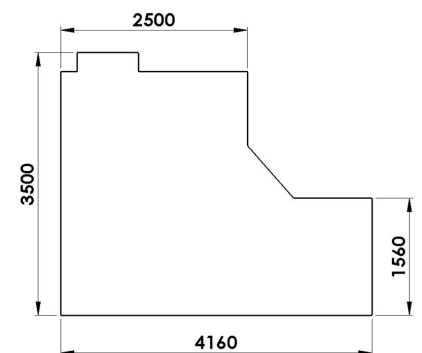
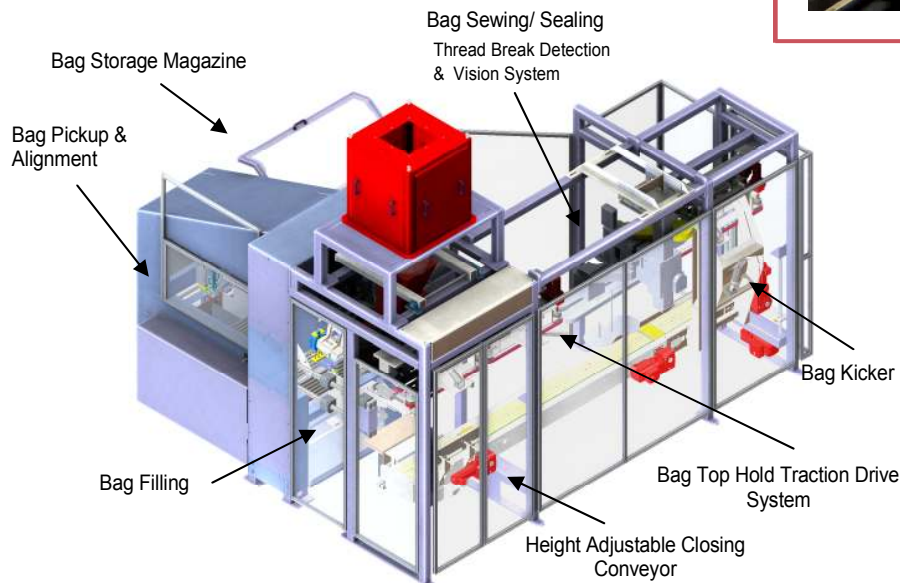
\* 95% of all weighments will be within the stated tolerance

## Bagging Rate

Designed to run up to 15 bags per minute.

**Bagging speed is NOT dependent on the Operator**

Bagging rate set via Touch Screen HMI.



GR900-15 Footprint

FOR SPECIFIC APPLICATIONS CONTACT ACTIVE WEIGHING SOLUTIONS OR OUR REPRESENTATIVE.

Active Weighing Solutions is continually improving the design of its products and reserves the right to make alterations without prior notification.



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