BAGGING SCALES

DELIVERING CONSISTENTLY ACCURATE BAG WEIGHTS

Sasco Process Automation

SASCO WEIGHING SYSTEMS
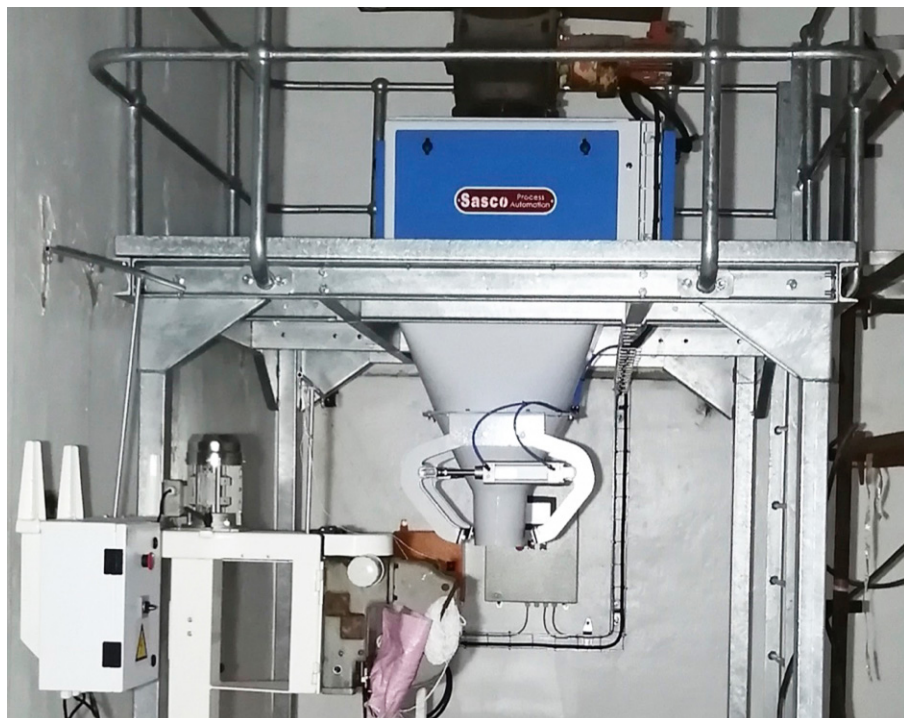
SASCO BAGGING SCALES offer the most accurate and effective way to measure and control the dispensing of a specific amount of dry bulk material (powder, pellet, granule) into an open mouth bag. The bagging scale consists of the weighing mechanics being a feed mechanism, a frame, a weigh-hoppers which includes a discharge door, load cell mounts, and a controller.

The selection of the discharge door design, the number of speed options, type of load cell mounts and number of weigh hoppers determines the accuracy and speed of the weighing system, while the selection of the controller determines the functionality and connectivity of the bag weighing system.

Sasco offers a broad range of rugged and accurate Bagging Scales all of which can be tailor made to meet customers' specific requirements, with three configurations being central to Sasco's product offering, namely the BS100, BS200 & BS300 bag weighing scales.

Sasco Bagging Scales provide solutions for nearly every dry bulk material bagging application.
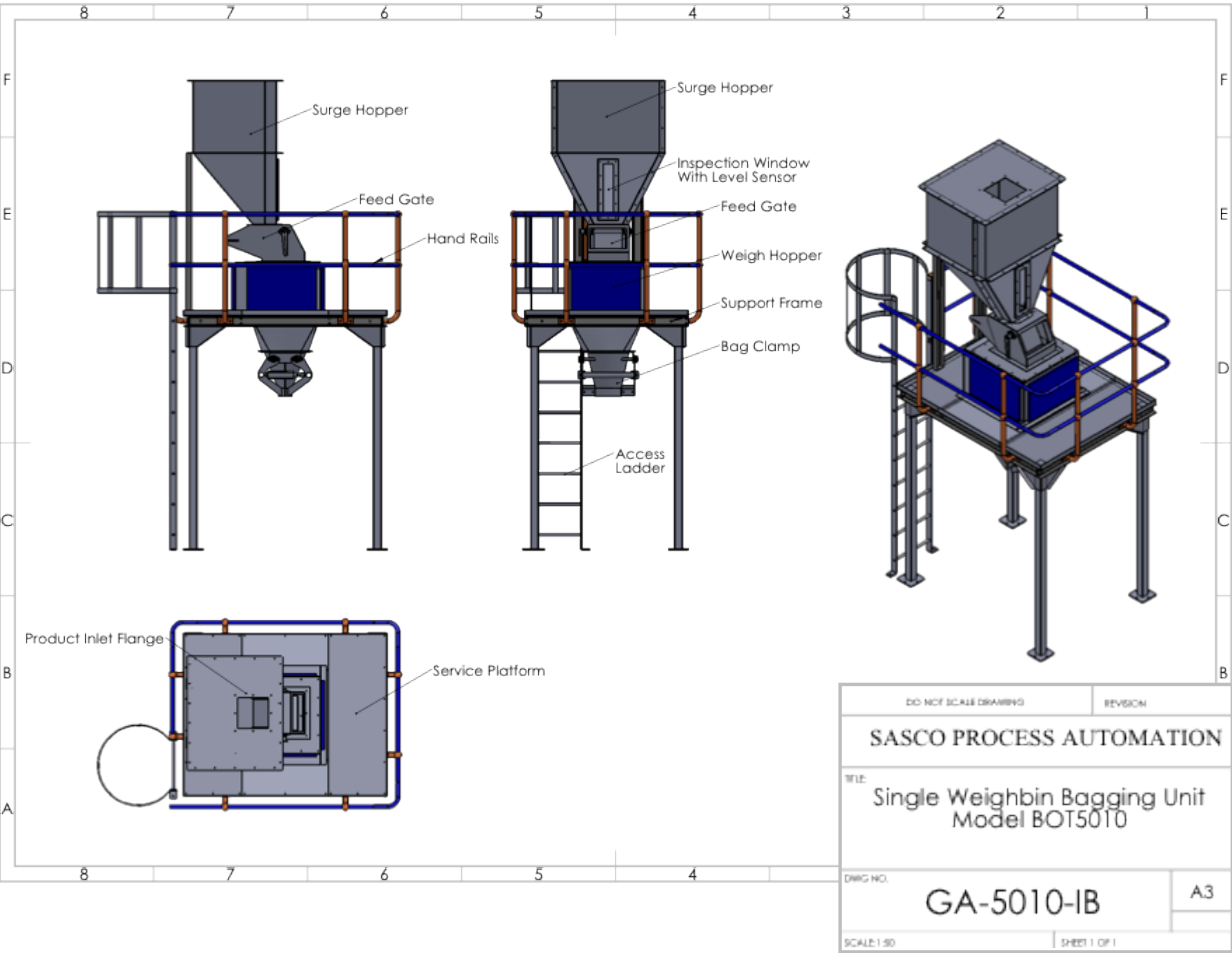

Typical Bagging Scale

Product Overview

SASCO BAGGING SCALES have the following key component options, which are reflected in our range of standard bagging scale product range and bespoke product options.

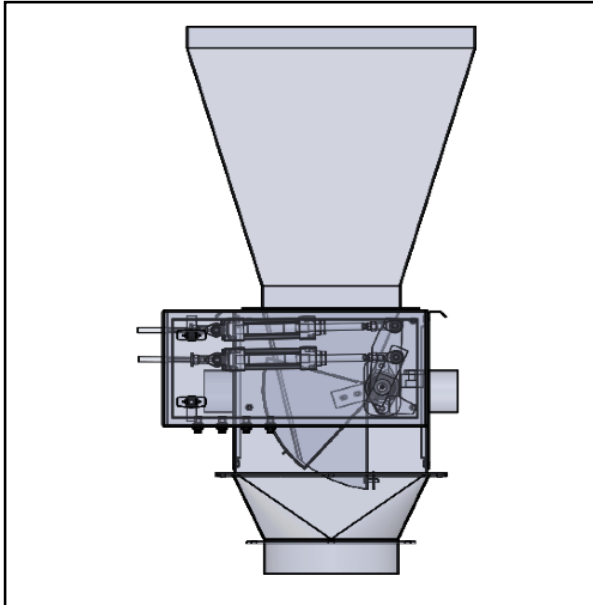## BAGGING SCALE MECHANICAL OVERVIEW

Standard Product Range

DELIVERING ACCURATE BAG WEIGHTS

The Sasco Bagging Scale range comprises both bespoke products and the following standard base products:

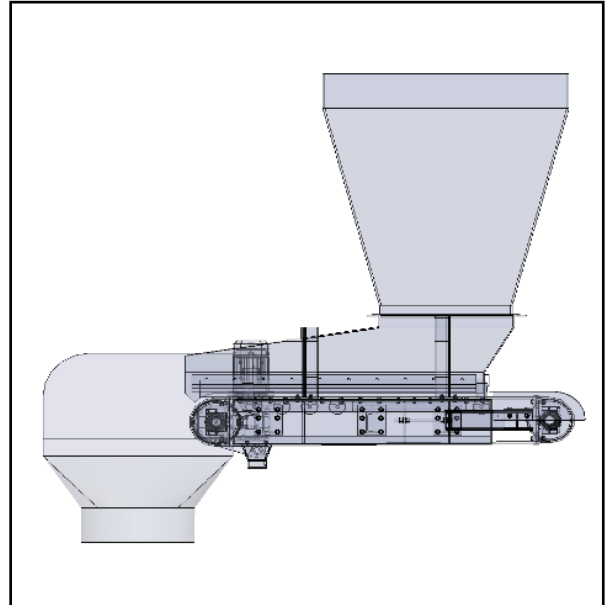| Product Number	BG - 100	BG - 200	BG - 300
Controller Options	**L337**	**L337**	
	920i Controller	**920i Controller**	**1280 Controller**
Applications	Low Volume	Medium Volume	High Volume
Bag speed	8 bags p.m.	14 bags p.m.	22 bags p.m.
Specifications			
Discharge Door	Flat	Steep Angle	Steep Angle
Search Bin	No	Yes	Yes
Number of Speeds	Dual speed	3 Speed Var	2 Dual Var Feed
Load Cell Mount	Direct	Direct	Direct + Damper
Weigh Hoppers	Single	Single	Dual
Controller Type	880	880	1280
Options			
Feeder Options	Yes	Yes	Yes
Sewing	Yes	Yes	Yes
Lead Off Conveyor	Yes	Yes	Yes
In-Line Weighing	Yes	Yes	Yes
Data Integration	Yes	Yes	Yes

Head Feed Options
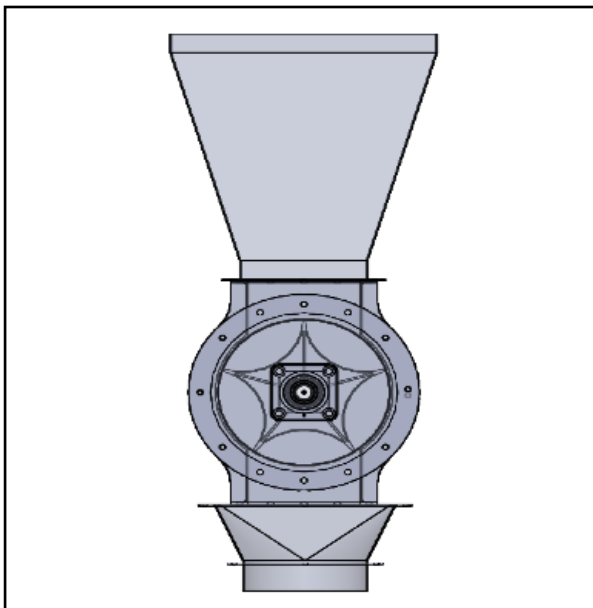
Gravity Feed

For free - flowing granular products such as sugar, salt, maize and rice.
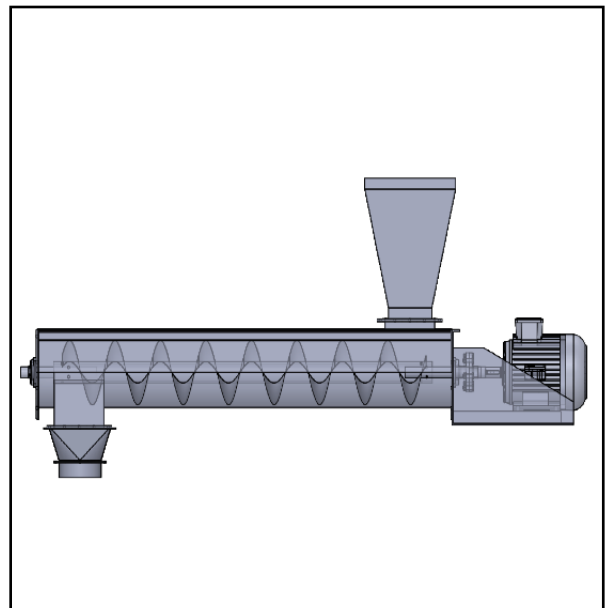
Belt Feed

For coarse and flake products such as crushed stone, compost, asphalt and fertilizer.

Rotary Feed

For special products and applications.

Screw Feed

For powder products such as yeast, cement and lime.

Controller Features Comparison

	L337 Controller	920i Controller	1280 Controller
Applications	The key attraction of the L337 is its menu of standard program options covering bagging, bulk weighing, check weighing, sample weighing and counting applications.	Highly flexible Controller, full graphics, open connectivity for most network interfaces, 100 configurable set points, 2- 14 slot cards & programable by the user using iRite software.	Limitless programming applications, Freescale MX 6 processor, Programable IRite to store and retrieve iRite applications in addition to 150 built in program applications
Display Size	5 inches	4.6 inches	7 inches
Display Type	Numeric and Graphics	Numeric and Graphic	Numeric and Graphic
Language	English	English	Multi Language
Mounting	Panel, Wall, Desk	Panel, Wall, Desk	Panel, Wall, Desk
Key Pads	Ability to plug one in	Ability to plug one in	Touch screen keypad and the ability to plug one in
Built in Web Server	No, Optional	No, Optional	Yes
Environment	IP65	IP66, Nema, Type 4X	IP66, Nema, Type 4X, IP 69
Digital Filter	Motion filter and digital filter	Software selectable, three stage, adaptive or dampening	Software selectable, three stage, adaptive or dampening
Input Power	AC or DC	AC	AC or DC
Load Cells Operated	16 load cells	16 load cells	32 load cells
Scales Operated	2	4	8
Memory	257MB	1 MB	485 MB
Configurable Set points	99	100	100
Soft Keys	None	5 soft keys, 10 users defined, 14 preset functions	22, 10 users defined
I/O Digital Channels	Two	Four	Four
Ports	Up to two serial interfaces	One RS-232 and One RS-485	Two RS-232 and Two RS-485
Options	Multi optional	Analogue In, Analogue Out, Digital I/Relays, Thermocouple	Analogue In, Analogue Out, Digital I/Relays, Thermocouple
Standard Comms	USB, RS232, Ethernet	Ethernet TCP/IP, Serial streaming	Ethernet TCP/IP, RS232, RS485, USB, Wireless, Bluetooth
Communication Options	R232, RS485, RS422, RS4220, PROFIBUS and Modbus and Ethernet	Device Net, Allen-Bradley, Ethernet/IP,ControlNet,PROFIBUS,PROFINET, Ethernet TCP/IP,Wireless LAN	Ethernet TCP/IP, RS232, RS485, USB, Wireless, Bluetooth
Ticket Formats	Standard formats only with limited user defined fields	Format of 1,000 characters	4 programmable up to 1,000 characters

Application Example

A sugar mill in Mozambique was expanding and required a weighing system to ensure bags of sugar were correctly filled to the correct weight.

The other requirement was that the unit be capable of filling at least 10 bags per minute, with each bag weighing 50 kg. Sasco supplied the customer with a dual weigh bin bagging unit with a maximum fill rate of 16 bags a minute.

The dual weigh bin system was selected as it is very reliable and minimizes down time by giving maintenance technicians the option of doing maintenance on one weigh bin while the operators continue to fill bags on the second weigh bin.