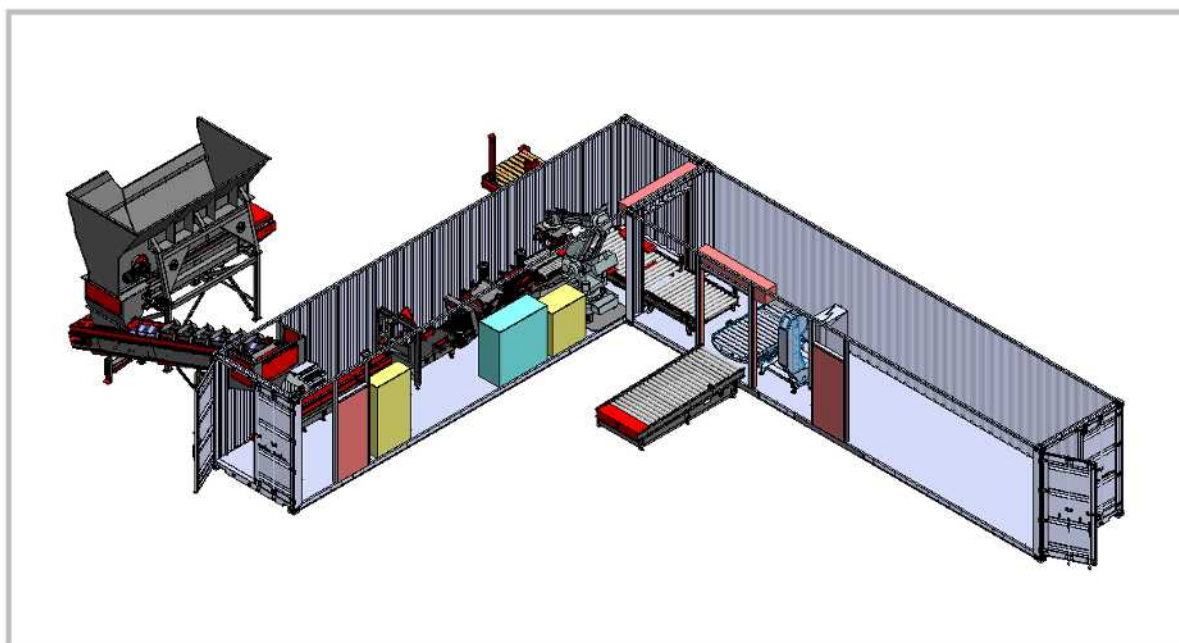


BULK AUTOMATION

Offer Document BAC-600-M



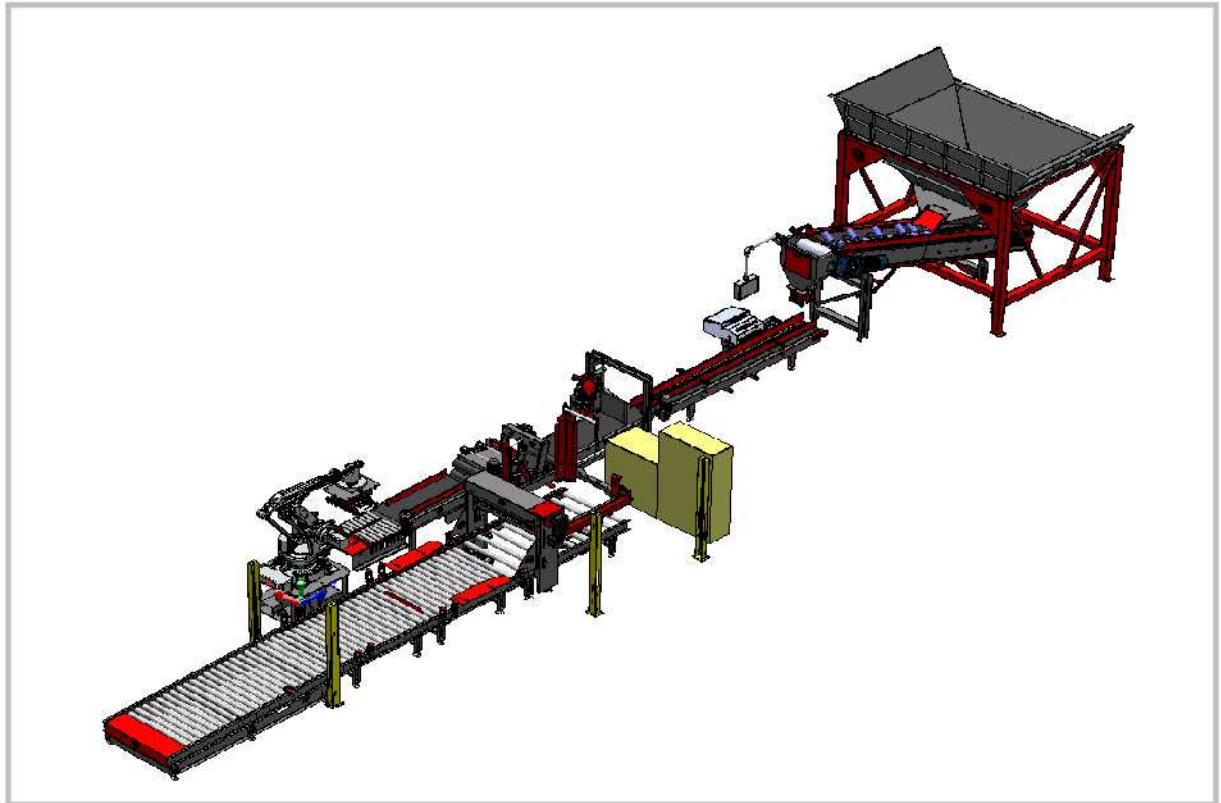
For the attention of:		Prepared by:	
Name:	Martin Shrooder	Name:	Mark Sargent
Adress:	LC Packaging Bridge Rd Long Sutton PE129EF	Adress:	Cambrian Works Van Rd, Llanidloes, Powys SY18 6HN
Email:	mschrooder@lcpackaging.com	Email:	mark@bulkautomation.co.uk
Tel: +44 (0)		Tel: +44 (0)	01686 413 399
Mobile: +44 (0)	7971497220	Mobile: +44 (0)	07834 349 343
Quote Ref.: Q-	MS25005-1	Date:	10/01/25

1.	Project Brief	1
2.	Product Specifications	2
3.	System Equipment	3

1. Project Brief

1.1 Overview

To supply, install and commission a containerized semi-automatic Aggregate bagging machine with robot pallet palletizing system



1.2 Machinery Technical Data

Item	Data
Size	15m x 6m x 3.5m
Hopper Capacity	5m ³
Bag Size (Max)	480 mm x H650 mm (empty bag)
Sealing type	Hot Air/Stitching
Operating Pressure	6,5 bars (dry and filtered)
Air consumption	50 NI / cycle
Voltage	400 V 50 Hz 3P N+Pe
PLC	Siemens
Auxiliaries' voltage	24V dc
Motors protections	IP54
Noise	90db
Environment temperature range	0 - 40

2. Product Specifications

Item	Data
Pallet dimensions (length x width mm)	1200x1000
Bag Sizes mm	450x600
Weighments Kg	15-25
Minimum height palletized load mm	400
Maximum height of palletized load mm	1500
Maximum weight palletized load Kg	2000
Machine capacity	10 Bgs/Min (to be defined according to the smoothness of the product)

3. System Equipment

Item 1	Description
BAA96 Side Loading Feed Hopper	Fabricated from pressed mild steel with reinforcement gussets for additional strength. • 8m3 capacity • Adjustable supports • Angled greedy boards • Vibrator

Item 2	Description
BAA38 Bulk Infeed Conveyor	For feeding the product from the hopper to the filling station, fabricated from pressed mild steel and then powder coated: • 600mm belt width • 4500mm Length • Adjustable Troughed polymer rollers • Integral primary belt scraper • Safety guards • Robust supporting Legs

Item 3	Description
BAA64 Bag Clamp	Fabricated from pressed mild steel and powder coated, designed to support the bag during filling: • Pneumatic opening • Rubber clamping blocks • Easy maintenance • Integrated hand sensors • Loadcell supports

Item 4	Description
BAA02 Filled Bag Conveyor	PVC Belt Conveyor section with powder coated pressed steel structure • Gear-motor • Width mm 400 • Length mm 3200 approx. • Height mm 450 • Adjustable bag guides

Item 5	Description
Autofeed Bag Stitcher	Newlong DS9C Stitcher (Heavy Duty) complete with: • Heavy Duty Stand • 0.3 kw motor • 2 cone holders for thread • Handle Height Adjustment • Electrical panel • Remote Stop/Start • Logic PLC • Inverter Drive for stitcher motor control • Photocell for stop & start • Cutter Solenoid Valve • Safety Relay and Reset • Feeder Belt under the Stitcher

Item 6	Description
BAA04 Inline Bag Turner Conveyor	PVC Belt Conveyor section with powder coated pressed steel structure • Gear-motor • Width mm 550 • Length mm 1700 approx. • Height mm 450 • Adjustable bag guides • Bag clamp with turning arm
Item 7	Description
BAA03 Bag Flattener Conveyor	Twin PVC Belt Conveyor section with powder coated pressed steel structure • Gear-motor • Width mm 550 • Length mm 1500 approx. • Height mm TBC • Electronic height adjustment • Bag presence sensor
Item 8	Description
BAA06 Bag Transfer Conveyor	PVC Belt Conveyor section with powder coated pressed steel structure • Gear-motor • Width mm 550 • Length mm 1000 approx. • Height mm 750 • Adjustable bag guides
Item 9	Description
BAA01 Bag Pickup Conveyor	ZP Roller Conveyor section with powder coated pressed steel structure • Gear-motor • Width mm 550 • Length mm 1000 approx. • Height mm 750 • Central Toothed Drive Belt • Bag Presence Sensor
Item 10	Description
BAA65 Heavy Duty Bag Gripper	Picking-up head made of an aluminum and steel frame • Emergency stop device in case of accidental collision • Electro-pneumatic control with four magnetic cylinders, to allow the picking-up and the deposit of more bags according to the palletization program. • Bag support and movement with linear guide units and ball bearings. • Stainless steel Bag Fingers