

## Single Pillar Lift

### Single Pillar Lift for 200 Litre Tote Bins

BTM/250/2030/B/G

#### Single Pillar Lift Description

This single pillar lift for 200 Litre tote bins is designed to lift and tip at a discharge height of 2030mm. The single pillar lift is constructed from Grade 304 stainless steel and is fully TIG welded throughout. Lifting with the single pillar lift is achieved by a  $\frac{3}{4}$ " Simplex chain driven by a motor gearbox mounted at the top of the main column. This single pillar lift is designed to be bolted to the floor.



*Single Pillar Lift or 200 Litre Tote Bin*

Call now on 01495 312 172

[webenquiry@basehandling.co.uk](mailto:webenquiry@basehandling.co.uk)

Base Handling Products Limited, Unit 20, Barleyfield Industrial Estate  
Brynmawr, Gwent, NP23 4YF.



**Safety Guard to PD 5304:2005 Safety of Machinery**

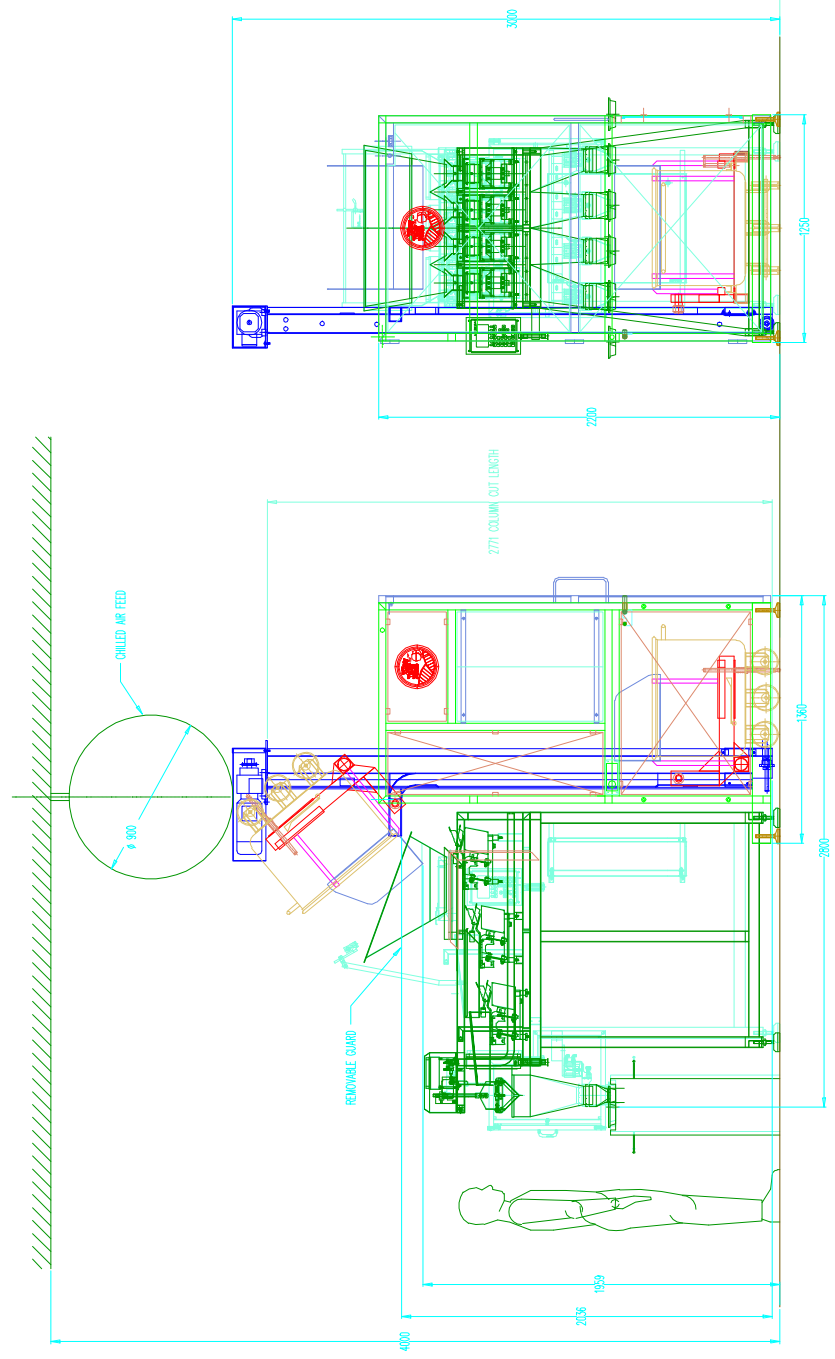
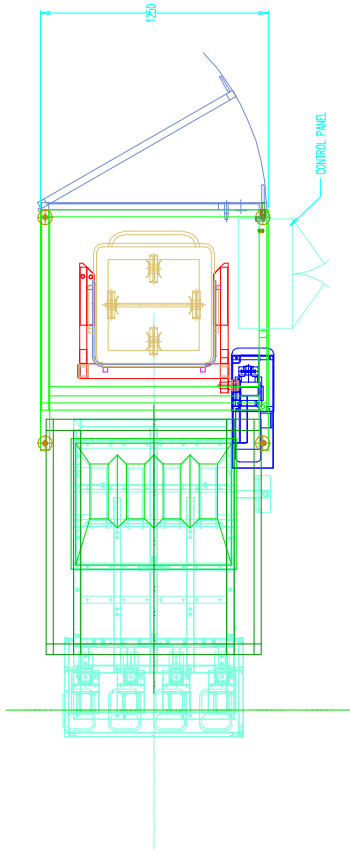
The safety guard is constructed from 40 x 40 x 3mm stainless steel box section and 2mm stainless steel sheet to meet the requirements of PD 5304:2005 Safety of Machinery. It encloses the single pillar lift to a height of 2200mm on two sides, 1700mm at the front, with a hinged door on the fourth side. The guard door is electrically and mechanically interlocked preventing the single pillar lift from operating with the door open. In addition, the guard door can only be opened when the lifting carriage is at the full down position. The single pillar lift control system has provision for a 'Call for Product' signal to be connected.

**Single Pillar Lift Specification**

DESCRIPTION	SINGLE PILLAR LIFT
MODEL No.	BTM/250/2030/B/G
CAPACITY	250Kgs
TIPPING HEIGHT	2030mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	3000mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	STANDARD 200 LITRE TOTE BIN
BASE ARRANGEMENT	BOLTED TO THE FLOOR
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD
MOTOR DETAIL	0.75kW, 415V, 3 PHASE, 50 CYCLE
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	FLENDER D38 M1P4D7.5
OUTPUT R.P.M.	28 R.P.M.
RATIO	50:1
LOAD/TENSION CHAIN	¾" SIMPLEX DELTA Z
TENSILE STRENGTH	3000Kgs
LIFT SPEED	6.4 METERS/MINUTE

**Single Pillar Lift Application Story**

This single pillar lift machine is used to load an Easiweigh depositing system for a ready meals producer. The single pillar lift was loaded with a cooked chilled vegetable and tipped into the Easiweigh intermediate vibratory hopper. The amount of discharge was controlled by the Easiweigh control system via a call for product sensor to ensure that the vibratory hopper was not over loaded with product. Once the single pillar lift had reached full tip it returned automatically to the full down position and activated an audible alarm to prompt the operator to load another bin.



REMOVE ALL BURRS AND SHARP EDGES	
TOLERANCES : UNLESS OTHERWISE STATED	
FABRICATIONS : +/- 2.0mm	
MACHINING : +/- 0.2mm	
SHEET METAL WORK : +/- 1.0mm AND +/- 1.0 DEG	
DRAWN	CHECKED
JPW	DATE
	21-02-05
DRAWING NUMBER	
BP2865-1C	

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 DRAWN THIRD ANGLE PROJECTION

**BASE HANDLING PRODUCTS LIMITED**  
 UNIT 20 BARLEYFIELD INDUSTRIAL ESTATE,  
 BRYNMAWR,  
 Gwent, NP23 4TF  
 TEL: (01495) 312172 FAX: (01495) 312089 EMAIL: info@baseproducts.co.uk

REVISION NUMBER	DRAWING TITLE	CUSTOMER
	SINGLE PILLAR 200 LITRE TOTE BIN TIPPER BOLTED GUARDED	