

## Mixing Bowl Lift

**Mixing Bowl Lift**  
BTM/250/2900/B/G

### Mixing Bowl Lift Description

This single pillar mixing bowl lift is designed to lift and tip a mixing bowl at a discharge height of 2900mm. The mixing bowl lift is constructed from Grade 304 stainless steel and is fully TIG welded throughout. Lifting with the mixing bowl lift is achieved by a  $\frac{3}{4}$ " Simplex chain driven by a motor gearbox mounted at the top of the main column. This mixing bowl lift is designed to be bolted to the floor.



*Single Pillar Mixing Bowl Lift*

Call now on **01495 312 172**

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

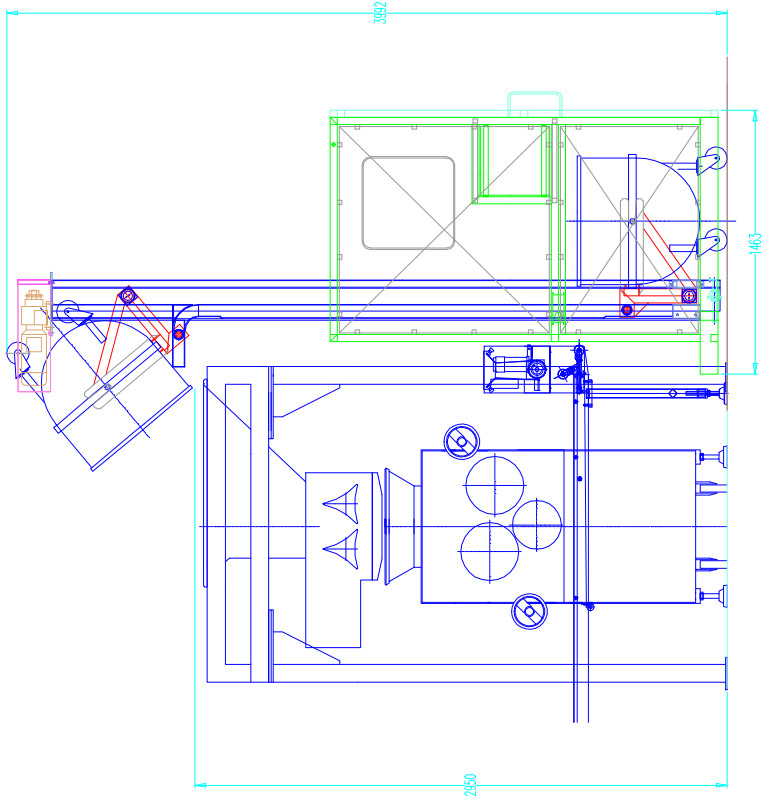
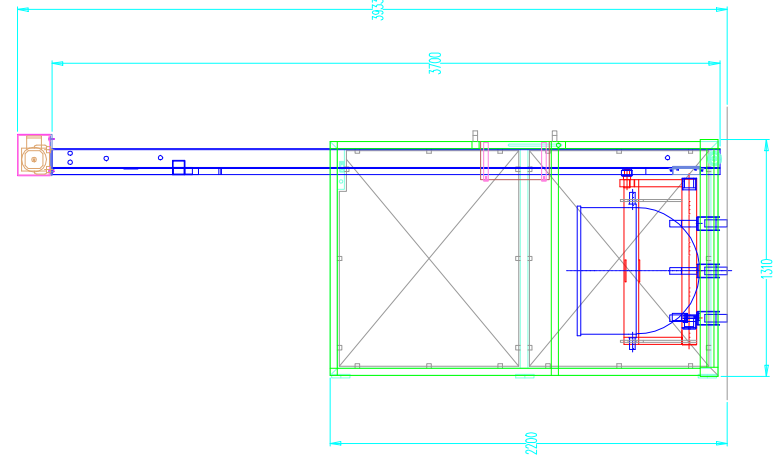
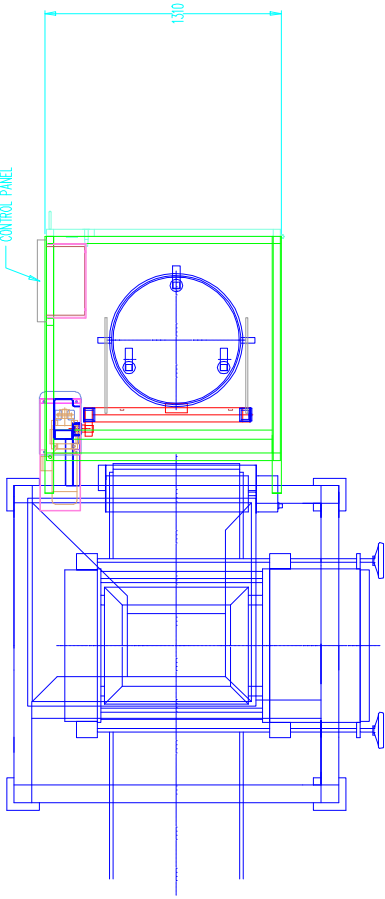
The safety guard is constructed from 40 x 40 x 3mm stainless steel box section and 2mm stainless steel sheet to meet the requirements of PD 5304:2005 Safety of Machinery. It would enclose the mixing bowl lift to a height of 2200mm on three sides with a hinged door on the fourth side. The guard door is electrically and mechanically interlocked preventing the mixing bowl 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 mixing bowl lift control system has provision for a 'Call for Product' signal to be connected.

**Mixing Bowl Lift Specification**

DESCRIPTION	SINGLE PILLAR MIXING BOWL LIFT
MODEL No.	BTM/250/2900/B/G
CAPACITY	250Kgs
TIPPING HEIGHT	2900mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	4062mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	STAINLESS STEEL MIXING BOWL
BASE ARRANGEMENT	BOLTED TO THE FLOOR
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD
MOTOR DETAIL	0.55kW, 415V, 3 PHASE, 50 CYCLE
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	FLENDER
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

**Mixing Bowl Lift Application Story**

This guarded mixing bowl lift has a discharge height of 2900mm. It is designed to tip dough from the mixing bowl into a stocking hopper mounted above a Rondo Doge Dough Depositor. The mixing bowl lift has an automated tipping cycle so that the operator can load a bowl, press the 'Start' button and then be usefully employed elsewhere whilst the tipping cycle is completed. There was an audible alarm to notify the operator once the tipping cycle was complete.



REVISE ALL DIMS AND SHARP EDGES TOLERANCES: UNLESS OTHERWISE STATED FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8 WELDING: AS SHOWN SHEET METAL WORK: ±1.5mm AND ±1° UNLESS SPECIFIED OTHERWISE	DRAWN J.P.W.	CHECKED J.P.W.	DATE 07-12-07
DRAWING NUMBER BP3268-1			

<b>BASE HANDLING PRODUCTS LIMITED</b> UNIT 20 BARKETON INDUSTRIAL ESTATE, BRIMMINGHAM, B37 7YF, WEST MIDLANDS, U.K. TEL: (0121) 357272 FAX: (0121) 357288 E-MAIL: <a href="mailto:info@baseproducts.co.uk">info@baseproducts.co.uk</a>	DESIGN TITLE SINGLE PILLAR MIXING BOWL TIPPER BOLT GUARDED	DESIGN NUMBER 3268	DRAWING TITLE SINGLE PILLAR MIXING BOWL TIPPER BOLT GUARDED
	CUSTOMER (blank)	DRAWING NUMBER (blank)	DATE (blank)