

Mezzanine Floor Lift

Mezzanine Floor Lift
PLM/500/2000/B/G

Mezzanine Floor Lift Description

This Mezzanine Floor Lift is a single pillar machine with a Safe Working Load of 500 Kgs and a lift height of 2000mm. The lifting platform is big enough to allow a standard Euro Pallet to be loaded using a hand pallet truck. The Mezzanine Floor Lift is constructed from Grade 304 stainless steel and is designed to be bolted to the floor. Lifting with the Mezzanine Floor Lift is accomplished via a 1" Simplex lifting chain driven by a motor gearbox mounted at the top of the main column.



Single Pillar Mezzanine Floor Lift for Standard Euro Pallets

Call now on **01495 312 172**

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Base Handling Products Limited, Unit 20, Barleyfield Industrial Estate
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Safety Guard to PD 5304:2005 Safety of Machinery

The whole Mezzanine Floor Lift was fitted with a safety guard constructed from 40 x 40 x 3mm box section with 25mm aperture x 3mm-wire mesh in-fill to meet the requirements of PD 5304:2005 Safety of Machinery. This guard will reach to a height of 2200mm on both sides, 2000mm at the unloading position with a hinged door through which the Mezzanine Floor Lift can be loaded and unloaded. The door is electrically interlocked to prevent the Mezzanine Floor Lift being operated with the door open and in addition, the door is mechanically locked closed whilst the Mezzanine Floor Lift is running. The door may only be opened when the lifting carriage is at the full down position.

System Operation

The main stainless steel control panel is mounted at the bottom of the Mezzanine Floor Lift with a remote push button station at the top. Once a pallet is loaded into the Mezzanine Floor Lift, the operator at the top calls the pallet to the full up position. The push buttons use the hold to run principle and if released the Mezzanine Floor Lift will stop immediately. After the pallet is unloaded, the lift carriage is returned to the full down position by pressing and holding the 'down' button. There was an Emergency Stop Push Button at both levels.

Mezzanine Floor Lift Specification

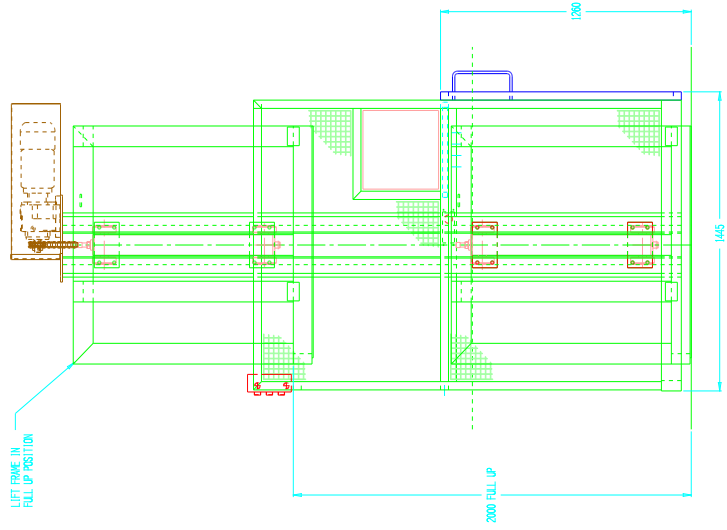
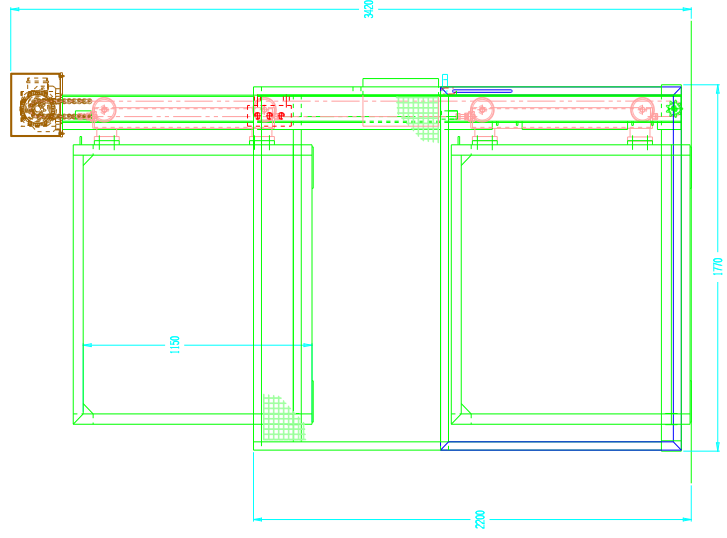
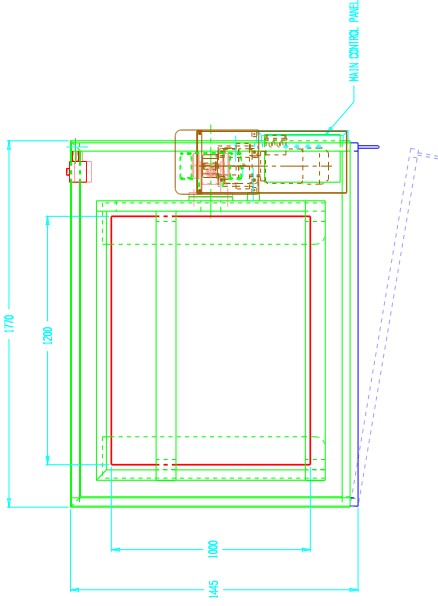
DESCRIPTION	SINGLE PILLAR MEZZANINE FLOOR LIFT
MODEL NO.	PLM/500/2000/B/G
CAPACITY	500Kgs
LIFT HEIGHT	2000mm
OVERALL HEIGHT	3420mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
PLATFORM SIZE	1100 x 1250mm
CONTAINER DESCRIPTION	STANDARD PALLET 1200 x 1000mm
BASE ARRANGEMENT	BOLTED TO THE FLOOR
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
MOTOR DETAIL	2.2kW, 3 PHASE, 50 CYCLE, 415V
MOTOR BRAKE	415V SEPARATELY EXCITED
LIMIT SWITCHES	ADJUSTABLE ROD
GEARBOX DETAIL	SIEMENS
LIFT CHAIN	1" SIMPLEX SEDIS DELTA 'Z'
TENSION CHAIN	1" SIMPLEX SEDIS DELTA 'Z'
LIFT SPEED	6.4 METERS/MINUTE

Mezzanine Floor Lift Application Story

This Mezzanine Floor Lift was required to elevate a standard Euro pallet from a ground floor level to a height of 2000mm so that the boxes on the pallet could be unloaded onto a Mezzanine Floor. This particular Mezzanine Floor Lift was used to handle ingredients during the manufacture of various cooking sauces. The Mezzanine Floor Lift can be mounted on an existing floor and therefore does not require a pit to be created with the requisite drainage issues.

DRAWING NUMBER

BP3387-1



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REVISION NUMBER
CUSTOMER

DRAWING TITLE
PALLET LIFT GENERAL ASSEMBLY

VERIFY ALL DIMS AND SHIP WEIGHTS
TOLERANCES: UNLESS OTHERWISE STATED
FINISHES: AS SHOWN
SCALE: 1:1
SHEET NO. 1 OF 1
DRAWN: J.P.V.
DATE: 22-10-88

DRAWING NUMBER
BP3387-1