

## Automated Pallet Lift

**Automated Pallet Lift**  
PLM/1500/5060/B/G

### Automated Pallet Lift Description

This automated pallet lift is a double pillar machine with a Safe Working Load of 1500 Kgs and a lift height of 5060mm. The pallets were fed onto the lifting platform via a powered roller track system. The lifting platform was also fitted with a powered roller track system. At the upper level, the pallets were driven out of the lifting platform automatically onto a further powered roller track system. The automated pallet lift was constructed from mild steel with a painted finish and was bolted to the floor and the concrete mezzanine floor that it was feeding. Lifting with this automated pallet lift is accomplished via chains driven by a motor gearbox mounted at the top of the one column with a crossover shaft to the other column.



*Double Pillar Automated Pallet Lift (Left Hand Machine)*

Call now on **01495 312 172**

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

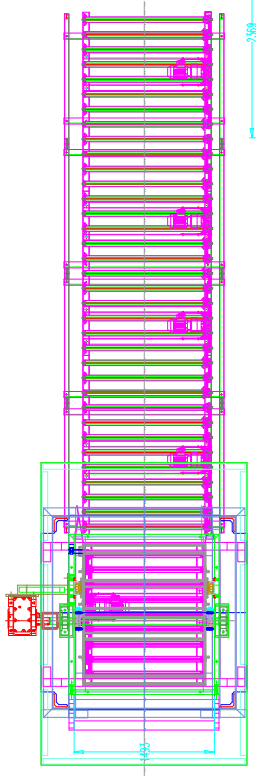
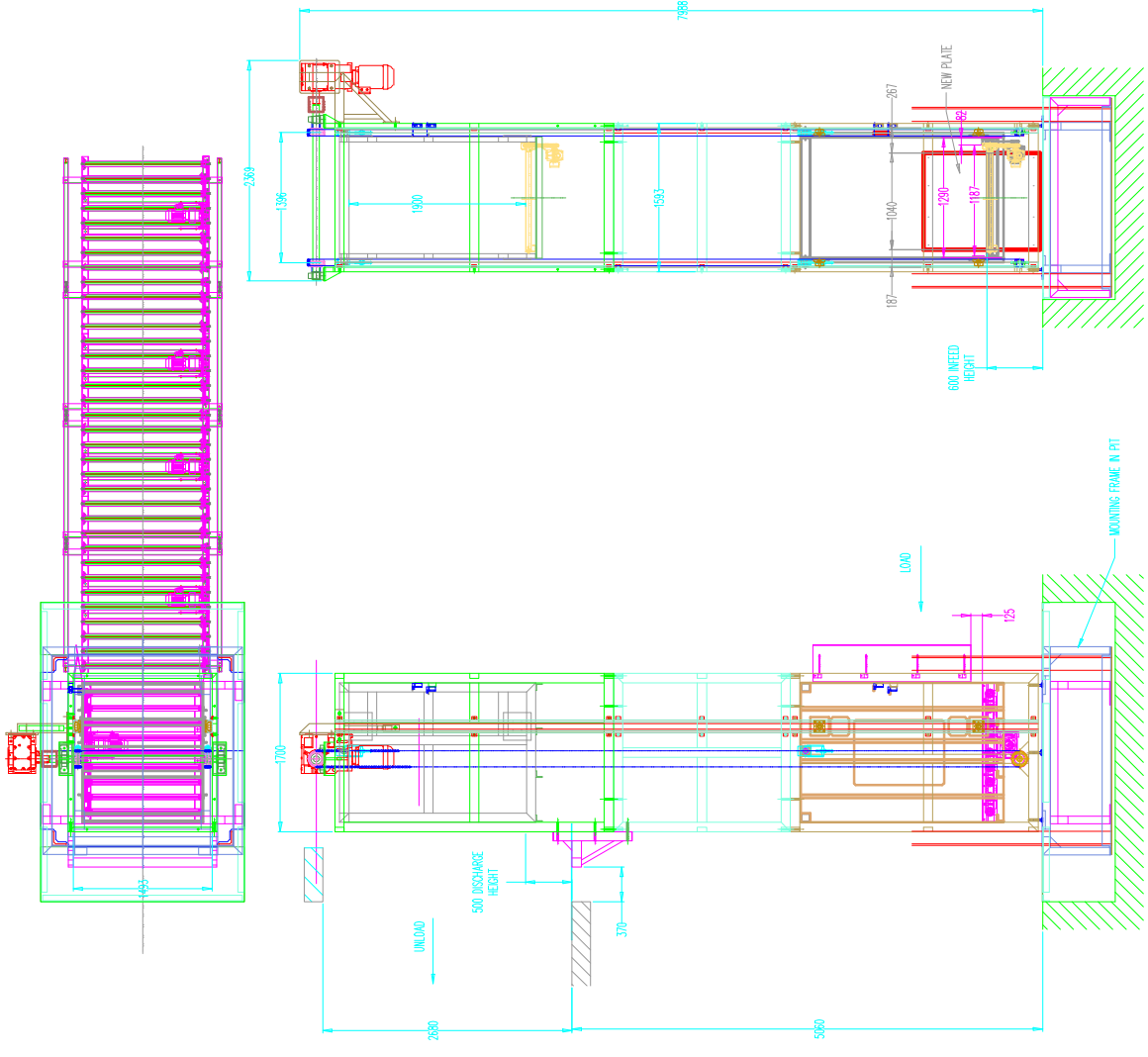
This automated pallet lift was mounted into an existing lift shaft and only the loading and unloading apertures required guarding to meet the requirements of PD 5304:2005 Safety of Machinery. At the ground floor level, there was a powered roller track system which fed pallets into the lifting carriage which was guarded using 40 x 40 x 3mm mild steel box section and 40mm aperture, 3mm wire mild steel weld mesh. At the upper level, there was a powered roller track system which fed pallets from the lift. This system was fitted with a safety guard constructed from 40 x 40 x 3mm mild steel box section and 40mm aperture, 3mm wire mild steel weld mesh.

**Automated Pallet Lift Specification**

DESCRIPTION	DOUBLE PILLAR AUTOMATED PALLET LIFT
MODEL No.	PLM/1500/5060/B/G
CAPACITY	1500Kgs
LIFT HEIGHT	5060mm
OVERALL HEIGHT	8000mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
PLATFORM SIZE	1500 x 1200mm
CONTAINER DESCRIPTION	CARDBOARD PALLETAINERS 1040 x 1040mm
BASE ARRANGEMENT	BOLTED TO THE FLOOR
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD
MOTOR DETAIL	7.5kW, 3 PHASE, 50 CYCLE, 415V
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	FLENDER
LIFT CHAIN	1" DUPLEX SEDIS DELTA 'Z'
TENSION CHAIN	1" SIMPLEX SEDIS DELTA 'Z'
LIFT SPEED	6.4 METERS/MINUTE

**Automated Pallet Lift Application Story**

This automated pallet lift was required to lift Cardboard Palletainers of frozen vegetables up to a mezzanine floor packing hall. The palletainers were loaded onto a powered roller track system and automatically fed into the lifting carriage. At the upper level, the palletainers were driven out onto another powered roller track system. This automated pallet lift had a 'Z' loading configuration so that the palletainers were loaded at the front and unloaded at the back of the machine at the upper level. This automated pallet lift was mounted in an existing lift shaft which already had a pit but normally, it can be mounted on an existing floor and does not require a pit.



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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 JPW	CHECKED DATE 28-03-07
DRAWING NUMBER BP3207-1	

REVISION NUMBER	CUSTOMER
	DOUBLE PILLAR PLATFORM LIFT BOLTED GUARDED
DRAWING TITLE	