

Pallet Exchange Tilters

Pallet Exchange Devices

What do Pallet Tilters do?

They are used where palletised loads need to be transferred from one pallet to another. With the move to have hygienic pallets used in the food & pharmaceutical industries these devices are invaluable & effortless aids where products would have to be normally restacked by hand. Without a pallet exchange device or pallet tilter it is necessary to load and unload the pallets by hand which is slow and difficult and potentially a source of worker injury risks. Pallet Tilters are rated at 2000kg capacity and eliminate the need for manual intervention therefore eliminating the injury risk whilst significantly decreasing cycle times whilst improving productivity & safety.

How do Pallet Exchanger Tilters work?

They consist of a fixed base frame with a tilting frame incorporating a "no crush" retractable platen that automatically lowers onto the top of the load to prevent spillage when tilted. The two sided tilting pallet booth is configured so that the side walls incline to form a V as the booth tilts. The back wall is inclined at 15 degrees to horizontal when the booth is fully rotated. This mechanism ensures the load is safely held without any requirement to translate the side walls in. This will prevent product from spilling out the sides of the load when the booth is fully tilted. When the exchange unit is fully tilted the booth floor automatically rotates back to floor level so the pallet can be safely and simply exchanged by pallet jack or forklift at floor level. The motions are actuated via a 415volt 3phase hydraulic power pack. All the functions of the tilters are controlled by the on-board PLC controller and provide consistent, trouble free operation. The pallet jack operator needs only to press one button to initiate a full cycle.

Benefits of a Pallet Tilter over a Pallet Inverter

Pallets may be loaded or unloaded with either forklifts or hand pallet trucks **where it is imperative to create a "forklift free" zone**. The pallet tilter significantly decreases cycle times, with productivity up to 15-20 pallets/hour. The hydraulically actuated "soft" clamp mechanism allows the top layer to be non symmetrical (it could, for instance, have only 1 carton on the top layer). This is not achievable with a pallet inverter as it would be crushed and the load would also dislodge. These pallet exchange tilters are designed and manufactured in Australia and extensive support and service facilities are available to ensure a long life and trouble-free performance.

Code PX2000 600-2000mm opening

Safety guards to 1, 2, or 3 sides & photo-eye light beam across opening must be supplied with these inverters and tilters. This package is available from us, as are remote control units the for forklift operator. There can be additional remotes ordered for this system. Australian W H + S assessment and appropriate user manuals will also be supplied.



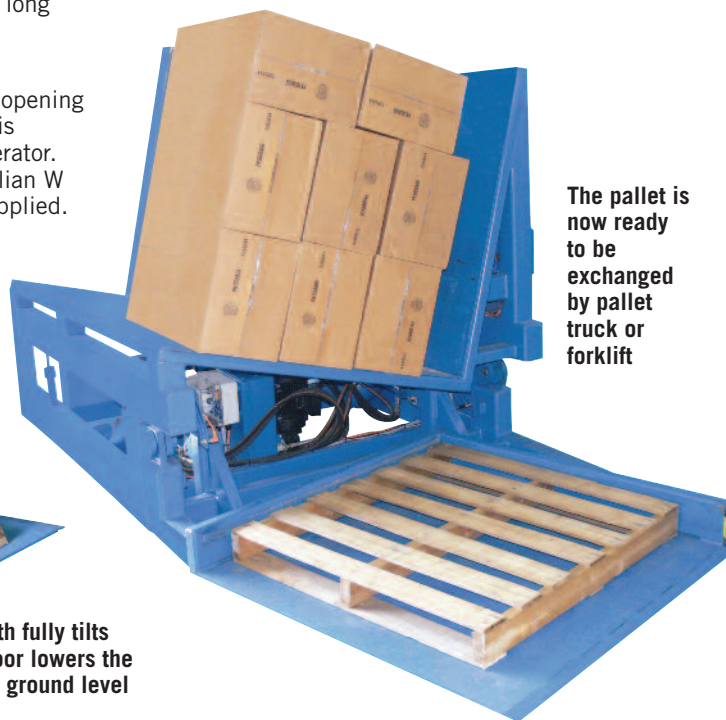
The top platen lowers & the booth tilts



The pallet is loaded by pallet jack or forklift



The booth fully tilts & the floor lowers the pallet to ground level



The pallet is now ready to be exchanged by pallet truck or forklift