

BEACON

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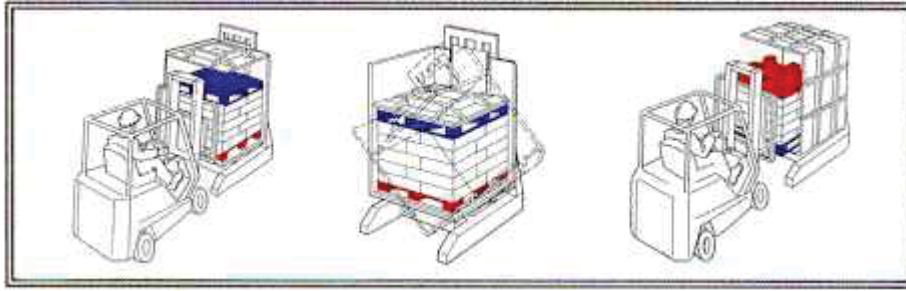
Pallet Rotator

Free Standing
Fork Lift
Loading
Pallet Inverter



- Free Standing 180 degree Inverter with Single Clamping Plate.
- Quick, efficient pallet to pallet transfer and load inversion.
- Available in a variety of sizes and models to meet your individual needs.
- Can be transported and loaded by forklift.
- Safety rails and guards (as shown)-standard.
- Control options range from standard pendant controls to fully automated systems.
- Easy load transfer from wood pallet to plastic pallet, slip sheet or rental pallet.
- By eliminating the need to stack and restack product, pallet inverters contribute to worker safety and ergonomics.
- Quick, efficient removal of broken or damaged product.
- Significant reduction in back injuries.
- Flexibility for easy transfer to in-house or Chep rental pallets.

The Pallet Rotator in Operation



Various uses in the Food & Warehousing Industry

- Companies that produce 100% on Chep, but have customer who do not want or can not receive the Chep pallet.
- Companies that produce 100% on a White pallet due to the fact that it may be in there warehouse for a long period. Will need to have a quick transfer system if the customer request is to ship on a Chep pallet.
- Chep pallets, where you prefer to store long term on your own pallets but your customers prefer to receive rental pallets. You will cut costs by keeping the minimum number of pallets on rent.
- Products delivered on a Chep pallet to a company who is not on the Chep program. This customer can remove and return the Chep pallet immediately.
- Products arriving on poor quality pallets that will be racked in a high bay system must be switched to a good quality pallet.
- Raw materials that arrive on wood pallets in food and pharmaceutical plants can be transferred to plastic, or aluminum type pallet.
- Retain quality in-house pallet or plastic pallets.
- Transfer pallet loads on to treated pallets.
I.E. Pallets being sent to Australia, Brazil, China and Europe
- Invert pallet load with broken or burst bag, usually this is on the bottom where the forks have missed the pallet.



The palletized load is placed in the inverter via lift truck. The lift truck operator then simply presses the button that activates the machine. A clamping plate descends and secures the load. The inverter then rotates the load 180 degrees. The clamping plate releases. The load can now be removed by the lift truck and is ready for shipping or return to the warehouse. Control options range from standard pendant controls to fully automated systems.

The grocery industry is always looking

for ergonomic solution to eliminate back injuries, because whoever handles the pallet needs to do by lifting as little weight as possible. When dealing with wood pallets there is always going to be issues with broken boards and eventually product damage. Couple that with JIT shipping and Cross Docking, issues of damage recovery and pallet exchange become that much more significant. That is another reason why the pallet inverter is such a natural fit within the industry. It facilitates the speed of getting the product to market and takes the element of repetitive motion out of the equation. "Good tools don't cost money they make money"



Customer shipping requirements have created the need for manufacturers and distributors to have the flexibility to exchange in-house pallets or rental pallets. With more and more companies turning towards rental pallets, companies need to find a quick way to switch from White to Blue. Another issue is damage recovery, particularly with bagged product. The Inverter eliminates the need for hand stacking and does the job in a fraction of the time. Because the Inverter does all the work it not only saves time it saves backs. More and more today companies are looking for ways to make a safer more worker friendly atmosphere.

Many loads had to be unstacked and restacked by hand. Now the wooden pallet is placed on an inverter and a plastic pallet is placed on top of the load. The inverter secures the load and turns it 180°. With the materials resting on the plastic pallet, they are removed from the inverter and are ready for use within the plant system.





Components and raw materials for the manufacture and packaging of a pharmaceutical product at most plants, were formerly stored on wooden pallets. There was some risk that particulates could be generated because of the possible splintering of the pallets. Further, other safety factors made use of the wooden pallets disadvantageous. Management decided to use plastic pallets for storage. When the materials enter the plant, they arrive on wooden pallets. The materials are then transferred to plastic pallets. The use of the inverter improves the quality of the manufacturing and packaging process, and eliminates the material handling time lost due to broken pallets.

As with most bagged product, damage to the bags on the bottom of the pallet load cause spillage and present a housekeeping problem. Furthermore the entire load must be unloaded and the bottom bags replaced before shipment to the customer. Unloading and replacement of damaged product by hand represents tedious man hours of work with the possibility of back strain or various other injury.



Safety Rails and Guards (as shown)-Standard. Custom designed Inverters give you the flexibility to accommodate a wide range of load heights and widths



As worker's compensation claims have escalated, so has the industry's need for equipment tailored to the comfort of the operator. Traditionally, the removal of pallets or freezer spacers has required lifting and restacking of loads. This arduous task involves not only significant time and effort on the part of the employee, but also includes the potential risk of arm injuries and back strain.

Turning over pallet loads appears to be a simple task. However, it can become a back-breaking, time-consuming, and expensive process. Over the years, countless man-hours have gone into this one seemingly simple operation of preparing materials for storage. The use of the inverter has changed all of this.

By eliminating the need to stack and restack product, pallet inverters contribute to worker safety and ergonomics



Rotate liquid gas cylinders multiple times to formulate chemical contents



Operation is a duffel top bag of powdery product on a pallet. The bag will be inverted 180° so that the spout used to fill the bag will also be used to empty the bag. The clamping plate maintains even pressure on the bag during inversion to prevent the load from shifting laterally during rotation. Dust generated during inverting will be captured within the inverter by closing the hydraulically operated doors, thus creating a chamber which is then fed to a dust collection unit.

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