

## Goliath Materials Handling Pallet Inverting—In Line

### Tippy Four Fingers - Automatic pallet-changing system

The machine “Four Finger” starts its working process, removing the europallet by means of four fingers that enter the pallet top openings. This happens at level 1. Through a roller-chain exchange the pallet is conveyed 100 mm downward, up to level 2, coming off the load without changing neither its position, nor the load structure.

- Once removed, the pallet is placed at the lower level (level 2) as regards to the load and gets ejected by a conveyors system running under the load feeding lines.
- At the same time that the pallet to be used indoor is removed, the pallet for the goods transport is released by the pallets stacker sited before the “Four Finger” machine. This phase takes place simultaneously, so that high replacing speeds are achieved

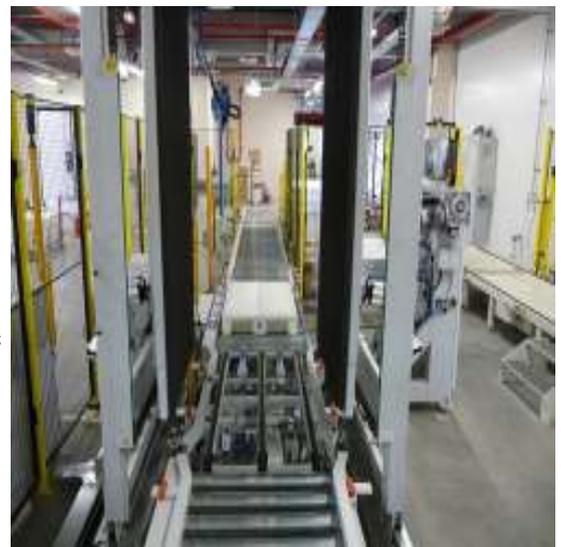


### Tippy Master Inverter

This is a pallet changer, whose function is to transfer the load from a wooden pallet to a plastic or aluminium pallet (and vice versa) through a two-ways translation movement. The load is transferred using the mutual force of the side press and back pushed.

**The device for pallet changing performs the following operations:**

- Lifting of the loaded pallet, through a lever system operated by cylinders. Master Inverter automatically recognizes the height of the load and it adjusts the position of the loaded pallet by pneumatic cylinders in order to create the best conditions for load transfer
- Closing of the side walls on the load.
- Horizontal translation of the load from the giving pallet to the receiving pallet



The loading and unloading of the pallet is made by pallet jack, forklift or conveyors when installed in a logistic system. Master Inverter can become part of a logistic system with conveyors and automatic pallet stackers, for non-stop working cycles up to 40 pallets / hour.

**For more information or to discuss your specific application call  
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