



Columbia Machine Engineering (India) Pvt. Ltd.

Optimize cargo transportation
processes with palletizing machines

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What are the pallets for? What does the palletizing process consist of? How do palletizing machines work?

In cargo storage or transportation processes, it must be ensured that the products are properly packed and moved. By grouping units of a product to be stored or transported, this task is facilitated. However, the movement of these groups of products, also called loads, will require support. One of them is pallets.

Pallets, also called pallets or pallets, are structures of wood, plastic or different materials on which the loads are placed to be transported. The pallets must be strong structures and are handled by forklifts, cranes, or wheelbarrows.



As a table without legs, the pallets form a flat surface of different sizes. Their measurements and the material with which they are manufactured will depend on both the load and the means of travel used. Thus, the most common pallets are wooden ones.

The palletizing process

Strictly speaking, the palletizing process refers to the process of placing loads or merchandise on pallets to facilitate storage and transportation.

When the merchandise has been packed in units within containers, for example cardboard boxes, it is necessary to group them to facilitate the whole process. Product boxes or containers must be carefully stacked to avoid damaging the contents, for these palletizing machines are often used.

Once the products have been grouped, they must be transported to the pallets. Already on pallets, you can use forklifts, hydraulic cranes or forklifts to move loads. Finally, the pallets are placed on shelves or taken to vehicle containers for transport.

Palletizing machines

Palletizing machines allow the palletizing process to be carried out automatically. Also called stevedores are machines that aim to place products on a pallet.

Regardless if the products have been stored in boxes, sacks, bags or the container that has been used, the palletizing machines have the ability to separate the loads, give them adequate space between them, move them by means of a roller band and places them on the pallets.

Advantages of palletizing machines

- Loads move continuously.
- Palletizing ensures that loads are not damaged.
- Loads are kept aligned and spaced.
- They usually have orientation guides to prevent any of the
- loads from being placed incorrectly.
- The loads are placed one on top of the other in the correct way
- The storage and transport process is streamlined



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